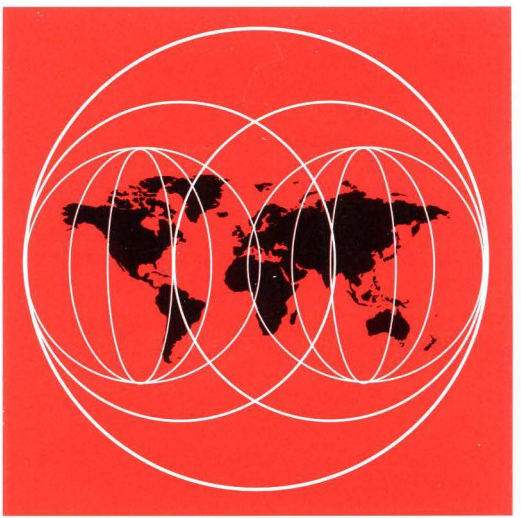
IBM Networking Redbooks Softcopy Collection Kit

August 1995



SK2T-6022-04

Note!

Before using this information and the products it supports, be sure to read the general information in "Notices" on page v.

Fifth Edition (August 1995)

This booklet applies to the IBM Networking Redbooks Softcopy Collection Kit, SK2T-6022-04.

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Reader's comment forms are provided at the end of book files on this CD-ROM. If you are unable to access this information, comments may be addressed to IBM Corporation, Department E15/Building 500, P.O. Box 12195, Research Triangle Park, NC 27709-2195, United States of America. You may optionally fax your comments to IBM using fax number (United States and Canada), 1 + 800 + 227-5088.

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Using and Distributing the Library Reader

The terms and conditions for using and distributing the Library Reader are stated in a file called PLALRENG.AGR on this CD-ROM. The file is in ASCII format and can be printed from your personal computer. The following examples assumes that your CD-ROM drive letter is `d`. If your CD-ROM drive is not `d`, replace the letter in the example with the letter you are using. To print this file, insert this CD-ROM into your CD-ROM drive and use the PRINT command with the drive letter of your CD-ROM drive. For example:

```
print d:\plalreng.agr
```

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Using and Distributing the IBM Softcopy Receiver Tool

The terms and conditions for using and distributing the IBM Softcopy Receiver Tool programs are stated in a file called SCRTENG.AGR on this CD-ROM. The file is in ASCII format and can be displayed or printed from your personal computer.

Copying and Distributing Softcopy Files

The terms and conditions for using softcopy books are stated in a file called BOOKENG.AGR on this CD-ROM. Before using the books on this CD-ROM, you must first read and agree to the terms and conditions specified in this file. The file is in ASCII format and can be displayed or printed from your personal computer.

README File for Library Reader for Windows

Before installing the BookManager Library Reader for Windows, consult the READWIN.TXTI file in the root directory on this CD-ROM for important "late-breaking news" that you might need to know.

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Library Reader/DOS
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PS/2
SAA
S/390
S/370
VTAM

ACF/VTAM
MVS/ESA

The following terms, denoted by a double asterisk (**), at their first occurrence in this publication, are registered trademarks of Microsoft Corporation:

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Windows

About This CD-ROM

The IBM Networking Redbooks Softcopy Collection Kit CD-ROM contains the following files:

- 144 International Technical Support Organization (ITSO) redbooks that support IBM Networking products

  ITSO redbooks are unique, "how-to," cross-platform publications, written by highly skilled system engineers, that assist the busy technical professional by getting to the "heart" of planning, installing, and making productive IBM hardware and software products.
- Online file containing abstracts of the redbooks on this CD-ROM.

  The file EZ3AB000 was developed to help you determine which redbooks contain the information you need. The file is an online book file that can be viewed and searched with any of the IBM BookManager READ or Library Reader programs. After you open the EZ3AB000 file using one of the READ programs, you can look for specific subjects and topics of interest by scanning through the list of titles and jumping to the abstracts that interest you, or by using the Library Reader SEARCH feature to help you pinpoint the books that contain the information you want. Then you can go to the redbooks and open them.
- Pre-built bookshelves and a bookshelf search indexes for the entire set of ITSO redbooks on this CD-ROM
- A set of reference publications for using the Library Readers and the online library
- README, which is an online version of this booklet in ASCII format.

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Notes:

1. All books on this CD-ROM appear in the English language.
2. The book files on this CD-ROM were created with BookManager* BUILD 1.2.0. You need either BookManager READ Version 1.2 (or higher) or the Library Readers furnished on this CD-ROM to view them.

This CD-ROM also contains the following items:

- The SAA* BookManager Library Reader/2*, IBM BookManager Library Reader for Windows**, and BookManager Library Reader/DOS*, which are *limited* editions of the IBM BookManager READ/2, READ for Windows, and READ/DOS licensed programs. The Library Readers let you read and search any IBM book specifically enabled by IBM for the Library Readers. Books distributed on CD-ROM by IBM, beginning with the *IBM Online Library Starter Kit*, will be enabled for the Library Readers.
- The IBM Online Library Installation Program to install the Library Readers, set up the BookManager or IBM Library book and bookshelf search path, and to write OS/2 Group entries or folder entries.
- The IBM Bookshelf Upload Program thay lets you upload individual bookshelves of IBM books to an MVS or VM host from any host-attached PS/2* workstation.
- The IBM Softcopy Receiver Tool (SCRT), program number 5648-032. The SCRT allows you to select online bookshelves and books (softcopy publications) from a CD-ROM and transfer them to host DASD or a workstation hard disk. The host version runs on MVS and VM hosts; the workstation version runs on OS/2 and DOS workstations. The SCRT includes:
  - An SCRT program for MVS, VM, OS/2, and DOS.
  - The *IBM Softcopy Receiver Tool User's Guide*, GC23-3663-02, available in softcopy this CD-ROM.
  - A READSCRT.TXT file that contains an abbreviated ASCII version of the *IBM Softcopy Receiver Tool User's Guide*, in the root directory on this CD-ROM.
  - A BKSADD EXEC for MVS users.

The SCRT runs on an OS/2 or DOS LAN server as well s on individual OS/2 or DOS workstations. "Receiving Books and Bookshelves Using the SCRT" on page 141 contains instructions for using the SCRT on your workstation.

Organization of Files on This CD-ROM

The Networking Redbooks Softcopy Collection Kit is now on two CD-ROM discs.

CD-ROM 1. Working Disc

This CD-ROM contains all of the directories and files you need to install the Library Readers, the README and ASCII text files, the executable code files, and all of the new and updated redbooks that are different from what was on the previous Networking Redbooks kit. The table on page 8 lists all of the Networking Redbooks on this kit. The books marked with a change code in the first column of the table are the new and updated books.

CD-ROM 2. Archive Disc

This CD-ROM contains all of the unchanged redbooks that were included on previous Networking Redbooks kits.

The contents of this CD-ROM are organized into: a root directory containing the text files `BOOKENG.AGR`, `PLALRENG.AGR`, `SCRTENG.AGR`, `READSCRT.TXT`, and `README`; a subdirectory `\shelves` containing all the bookshelf files; and a subdirectory `\books` containing all the book and search index files.

Getting Started

To use these softcopy books on a personal computer or a PS/2 computer equipped with a CD-ROM disc drive (or attached to a network equipped with a CD-ROM disc drive), you must use one of the following:

- BookManager READ/DOS (Part No. 17H7383)
- BookManager READ for Windows V2 (Part No. 10H7605)
- BookManager READ/2 (Part No. 17H7375)
- Library Reader/DOS (included on this CD-ROM)
- Library Reader for Windows (included on this CD-ROM)
- Library Reader/2 (included on these CD-ROMs)

Instructions for installing these readers are in the section "Installing or Updating the IBM Library Readers for OS/2 and DOS" on page 125.

To use the softcopy books on an MVS system, you must upload the files from this CD-ROM to MVS using the IBM Softcopy Receiver Tool, the IBM Bookshelf Upload Program for MVS, or any file transfer utility that supports both ASCII and binary file transfer to MVS. You must use IBM BookManager READ/MVS (Program No. 5695-046) to read them.

To use the softcopy books on a VM system, you must transfer the files from this CD-ROM to VM using the IBM Softcopy Receiver Tool, the IBM Bookshelf Upload Program for VM, or any file transfer utility that supports both ASCII and binary file transfer to VM. You must use IBM BookManager READ/VM (Program No. 5684-062) to read them.

Note: If you have already installed SCRT Version 1.0 or 1.1 on MVS or VM, you should reinstall SCRT that is included on this CD-ROM. The updated version of SCRT has been improved. See the READSCRT.TXT file on this CD-ROM for installation instructions.

For information about software and hardware requirements for OS/2, Windows, and DOS workstations and directions for transferring the contents of CD-ROMs to a host, see *IBM Online Libraries: Softcopy Collection Kit User's Guide*, GC28-1700, and *IBM Online Library: Getting Started and Managing the Library*, GC23-0545, included on this CD-ROM.

For more information on the BookManager READ programs or to determine the appropriate CD-ROM drive for your system, contact your IBM representative or the IBM branch office serving your locality.

Contents of the IBM Networking Redbooks Softcopy Collection Kit

These CD-ROMs contain prebuilt books, a bookshelf for each CD-ROM, and bookshelf search indexes.

To select a book from the collection, we recommend you list both of the bookshelves or list the specific bookshelf and then select the book from this list.

Note: You can create a customized bookshelf that contains only the books you use most frequently. For information on creating a customized bookshelf, refer to *Softcopy Collection Kit User's Guide*, GC28-1700, on CD-ROM Disc 1, or the documentation you received with your BookManager program.

Renamed Files

The following books that appeared in the previous edition have been renamed to conform to IBM's naming standards. The previous levels of these items are no longer current and can be discarded.

Items Renamed	Old Filename	New Filename	Disc
TCP/IP Tutorial and Technical Overview	GG243376	EZ306200	1
Networking Products Implementation Guide	GG243649	EZ306100	1
TCP/IP V3R1 for MVS Installation and Interoperability	GG243687	EZ302300	1
High-Speed Networking Technology: An Introductory Survey	GG243816	EZ306400	1

Items Renamed	Old Filename	New Filename	Disc
SK2T-6022 Online Version of Abstract	ABSTRAC3	EZ3AB000	1

IBM Networking Redbooks

This section lists the bookshelves, bookshelf search indexes, and book files contained on this CD-ROM. A letter code in the first column of the table identifies files that are new on this CD-ROM. If more than one code applies, the code with the highest priority is shown.

If the column is blank, the bookshelf, bookshelf search index, or book was on a previously distributed CD-ROM. The codes, highest priority listed first, are:

N New (first time the softcopy book is available or the bookshelf has been revised for new or changed books)
T Technical change (new or changed information about the product)
S Service change (new or changed information that is not the result of a change to the product, for example, information added as result of reader's comment)
E Softcopy enhancement (modification of source files to facilitate BookManager features).

The approximate size of each file is shown in megabytes. The table and formulas in "Estimating Host DASD Storage Requirements" on page 20 help you convert megabytes into tracks and cylinders.

IBM Networking Redbooks Collection Kit Bookshelves

All-Networking Redbooks Collection Disc 1 Bookshelf (Disc 1)

Title	Filename	Mb
Networking Redbooks Disc 1 All Books Bookshelf	EZ30B100	.01
Networking Redbooks Disc 1 All Books Bookshelf Search Index	EZ30B100	5.34
All books on Disc 1	N/A	126.74
Total Size		**132.09**

All-Networking Redbooks Collection Disc 2 Bookshelf (Disc 2)

Title	Filename	Mb
Networking Redbooks Disc 2 All Books Bookshelf	EZ30B200	.01
Networking Redbooks Disc 2 All Books Bookshelf Search Index	EZ30B200	14.31
All books on Disc 2	N/A	510.69
Total Size		**525.01**

Note: The MByte size information was not available at time of printing. The above sizes are estimates.

IBM Networking Redbooks Softcopy Collection Online Library (Disc 1 and Disc 2)

	Title	Order No.	Filename	MB
N	A Beginner's Guide to MVS TCP/IP Socket Programming	GG24-2561-00	EZ306700	0.68
N	A CM/2 APPC/APPN Tutorial	GG24-2537-00	EZ304700	3.11
	A Guided Tour of SNA Server/6000 Version 2.1	GG24-4189-00	GG244189	0.31
	A Hitchhikers Guide to AIX OSI Services/6000	GG24-4294-00	GG244294	1.02
	A Microscopic View of the IBM 9733 IDNX Micro 20	GG24-4359-00	GG244359	0.27
	ACF/NCP V7R1 IP Router Planning and Installation Guide	GG24-3974-00	GG243974	0.76
	AIX NetView/6000 Lan Integration	GG24-4332-00	GG244332	25.31
	AIX SNA Services V1.2 Sample Connections	GG24-4129-00	GG244129	0.36
	An Early Look at Application Considerations Involved with MQSeries	GG24-4469-00	GG244469	0.94
N	An Inside Look at IBM Workgroup Hubs and Switches	GG24-2528-00	EZ304500	5.83
	An Introduction to Wireless Technology	GG24-4465-00	GG244465	0.26
N	AnyNet: SNA over TCP/IP Installation and Interoperability	GG24-4395-00	EZ302400	1.35
	AnyNet: Sockets over SNA NetBIOS over SNA Installation and Interoperability	GG24-4396-00	GG244396	4.96
	APPC and CPI-C Product Implementations	GG24-3520-01	GG243520	0.41

	Title	Order No.	Filename	MB
	Applied Use of IBM NetView RODM and Automation	GG24-4018-00	GG244018	3.46
	Applied Use of NetView Network Planner/2	GG24-4220-00	GG244220	30.56
	APPN Architecture and Product Implementations Tutorial	GG24-3669-02	G2436691	3.30
N	AS/400 AnyNet Scenarios	GG24-2531-00	EZ300200	1.02
	AS/400 APPN Configuration Guide	GG24-4023-00	GG244023	10.24
	AS/400 APPN with PS/2 APPN, 3174 APPN, 5394 and Subarea Networking	GG24-3717-00	GG243717	0.72
	AS/400 Automation Using NetView and the SNA MS Transport	GG24-3841-00	GG243841	0.55
	AS/400 Communications Definitions Examples Volume 2	GG24-3763-00	GG243763	0.96
	AS/400 NetWork Management Guide	GG24-4154-00	GG244154	2.11
	AS/400 Network Routing Facility	GG24-3918-00	GG243918	0.30
	AS/400 SNA Pass-Through Communications Definitions and Examples	GG24-3919-00	GG243919	0.39
	AS/400 SNA Primary LU Support Configuration Guide	GG24-4058-00	GG244058	0.79
	AS/400 VM/MVS Bridge Configuration and Operations	GG24-4382-00	GG244382	0.29
	Asynchronous Transfer Mode (Broadband ISDN) Technical Overview	GG24-4330-00	GG244330	1.23
	Automated Configuration Management	GG24-3871-00	GG243871	0.41
	Boosting Your Information/Management Version 6 Release 1 Performance	GG24-4324-00	GG244324	0.14

	Title	Order No.	Filename	MB
N	Building a Firewall With the NetSP Secured Network Gateway	GG24-2577-00	EZ303900	3.44
	Capacity Planning and Performance Analysis Using NetModeler	GG24-4425-00	GG244425	7.84
	Centralized Management of LNM and NetWare Networks Using NetView MultiSystem	GG24-4181-00	GG244181	11.91
	Change Management & Data Distribution Using NetView DM & LANDP RCMS	GG24-3414-01	GG243414	1.43
	CID Enabled Products Using NetView DM/2 V2.0 & NetView DM R4	GG24-3782-00	GG243782	3.90
N	CM/2 - SNA Phone Connect	GG24-4385-00	EZ305400	2.51
	CM/2 Concepts, Scenarios and PD Examples	GG24-4183-00	GG244183	4.95
	Communications Manager/2 Version 1.0 New Features	GG24-3958-00	GG243958	2.99
	Communications Manager/2 Version 1.1 Enhancements	GG24-4142-00	GG244142	2.14
N	Consumer Transaction Application Development Handbook	GG24-4141-00	EZ305100	25.21
N	DFSMS/MVS Version 1 Release 3.0 Presentation Guide	GG24-4391-00	EZ306600	5.94
	Diagnosing Local Area Networks with RMONitor for AIX	GG24-4291-00	GG244291	15.48
	Enterprise Integrated Services Digital Network eXchange (ISDNX)	GG24-4226-01	G2442261	0.54

	Title	Order No.	Filename	MB
	Examples of Selected Configuration and Customization Matters Involved With	GG24-2521-00	GG242521	14.25
	Examples of Using AIX NetView/6000 APIs	GG24-4059-00	GG244059	5.75
	Examples of Using AIX Systems Monitor/6000	GG24-4075-00	GG244075	13.27
	Examples of Using MQSeries on S/390, RISC System/6000, AS/400 and PS/2	GG24-4326-00	GG244326	8.48
	Examples of Using NetView for AIX	GG24-4327-00	GG244327	12.11
N	Examples of Using Software Installer	GG24-2529-00	EZ304600	2.46
	Examples of Using the NetView XITCI and XITCO Exits	GG24-3701-00	GG243701	0.19
	Experiences Using NetView Pipelines	GG24-4145-00	GG244145	0.28
	FDDI Concepts and Products	GG24-3865-00	GG243865	2.67
T	High-Speed Networking Technology: An Introductory Survey	GG24-3816-02	EZ306400	1.38
	IBM Connectivity Guide	GG24-4169-00	GG244169	0.54
N	IBM Frame Relay Guide	GG24-4463-00	EZ305800	3.93
T	IBM Network Products Examples	GG24-3649-02	EZ306100	5.14
	IBM Personal Communications/3270 Version 3.1 Implementation Guide	GG24-4173-00	GG244173	4.03
	IBM Systems Monitor Anatomy of a Smart Agent	GG24-4398-00	GG244398	24.06
N	IBM SystemView for AIX: An OverView	GG24-2541-00	EZ303800	6.21
N	IBM SystemView for AIX: Sizing Considerations	GG24-2586-00	EZ301000	0.14

	Title	Order No.	Filename	MB
	IBM TCP/IP V2R2 for VM Installation and Interoperability	GG24-3624-02	GG243624	0.70
T	IBM TCP/IP V3R1 for MVS Implementation Guide	GG24-3687-02	EZ302300	1.19
N	IBM 2210 Nways Multiprotocol Router Description and Configuration Scenarios	GG24-4446-00	EZ305600	2.09
	IBM 2220 Nways BroadBand Switch: Concepts and Products	GG24-4307-00	GG244307	1.65
	IBM 3745 Communication Controller Guide for x10 and x1A Models	GG24-1562-05	GG241562	5.39
N	IBM 3746-900 and NCP Version 7 Release 2	GG24-4464-00	EZ305900	4.43
	IBM 8250 Intelligent Hub and IBM Hub Management Program/6000	GG24-4033-00	GG244033	5.73
	IDNX Frame Relay Network Planning and Implementation	GG24-4077-01	G2440771	1.65
	Implementing EDI Using AIX OSI Services/6000 and ISOTRADE	GG24-4349-00	GG244349	1.23
N	Implementing the New Functions of NetView DM/MVS Version 1.6 and the SPMF	GG24-2530-00	EZ306800	0.45
	Information/Management V6.1 - Installing for Client/Server	GG24-4323-00	GG244323	0.25
	Information/Management V6.1 New User Interfaces and Features	GG24-4325-00	GG244325	4.22
	Integration of AIX SNA Manager/6000 into the NetView/6000 Family of Products	GG24-4247-00	GG244247	4.27

	Title	Order No.	Filename	MB
	Integration of Common OS/2 Communication Products	GG24-4005-00	GG244005	5.41
	Intro to Using the Message Queuing Interface via MQM/ESA	GG24-4062-00	GG244062	0.46
	Introduction to Networking Technologies	GG24-4338-00	GG244338	5.15
	Introduction to Performance in Router Networks	GG24-4223-00	GG244223	0.41
N	Just in Time for IDNX and IBM 2220 Clock Synchronization Planning	GG24-4462-00	EZ305700	2.80
	LAN/WAN eXchange (LWX) Planning and Installation Guide	GG24-3843-01	G2438431	0.72
	LANDP/DOS and LANDP/2 Concepts and Guidelines	GG24-3924-00	GG243924	15.86
	LANDP/6000 Concepts and Guidelines	GG24-4057-00	GG244057	3.04
	LNM V1.1, LNME V1.0 and LSM V1.0	GG24-3942-00	GG243942	5.17
	Local Area Network Concepts and Products	GG24-3178-03	GG243178	3.07
	Making the World More Manageable w/ Applications from the NetView Association	GG24-4397-00	GG244397	15.22
	Management of Multiprotocol Environments Using Netview	GG24-4063-00	GG244063	0.94
	Managing DEC from NetView Using Six2View	GG24-4163-00	GG244163	7.03
	Managing IP Networks Using NetView MultiSystem Manager R2	GG24-4337-00	GG244337	6.73
	Managing LU 6.2 Nodes / NetView MS Transport	GG24-3586-00	GG243586	0.48

	Title	Order No.	Filename	MB
	Managing Non-SNA Resources Using NetView GMFHS	GG24-4067-00	GG244067	5.83
N	Managing Your APPN Environments Using NetView	GG24-2559-00	EZ305000	1.28
	Monitoring Performance in Router Networks	GG24-4157-00	GG244157	4.37
	MPTN Architecture Tutorial and Product Implementations	GG24-4170-00	GG244170	2.27
	Multiplatform APPC Configuration Guide	GG24-4485-00	GG244485	0.36
	Multiprotocol Networking with the 3172 Model 3	GG24-4252-00	GG244252	8.34
N	NCP Tuning with NTune	GG24-2520-00	EZ304400	4.36
	NCP V6 Planning & Implementation Gde	GG24-3785-00	GG243785	0.56
	NCP V6R2 Planning and Implementation Guide	GG24-4012-00	GG244012	5.17
	NETDA/2 V1R2 Design Tool Guide	GG24-4225-01	G2442251	3.51
N	NetView Distribution Manager/6000 Release 1.2 Agents and Advanced Scenarios	GG24-4490-00	EZ306000	4.63
	NetView DM/2 V2.1 Remote Administrator and New Functions	GG24-4419-00	GG244419	4.92
	NetView for OS/2 as an SNMP Manager	GG24-4412-00	GG244412	13.55
	NetView Performance Monitor V2.1 Experiences Using New EUI & VTAM Statistics	GG24-4156-00	GG244156	7.51
	NetView Version 2 Release 4 New Functions	GG24-4186-00	GG244186	14.11
	NetView V2R3 Experiences Using NGMF & Automation Enhancements	GG24-4003-00	GG244003	2.82

	Title	Order No.	Filename	MB
	NetView V2R4 APPNTAM Feature Experiences	GG24-4203-00	GG244203	1.04
	New and Improved! IBM Multisegment LAN Design Guidelines	GG24-3398-02	GG243398	2.12
	Open Systems Fundamentals Student Guide	GG24-4470-00	GG244470	2.70
	OSI Multivendor Interoperability Guide	GG24-4036-00	GG244036	2.16
	OSI Products Installation Guidelines for MVS and VM	GG24-3845-00	GG243845	1.30
	Overview & Examples of Using AIX NetView/6000	GG24-3804-00	GG243804	7.16
	Overview of RODM and Data Models	GG24-3956-00	GG243956	0.15
N	Personal Communications for OS/2 and CM/2: Product Differentiation Guide	GG24-2546-00	EZ304800	1.65
N	Personal Communications V4.x Interoperability and Problem Determination	GG24-4457-00	EZ306300	3.68
	RODMTool/2: Advanced Use of Netview Graphic Monitor Facility	GG24-4292-00	GG244292	17.18
	RouteXpander/2 Introduction and Configuration Examples	GG24-4334-00	GG244334	3.21
	Security Overview of Open Systems Networking	GG24-3815-00	GG243815	0.78
	Selected Ex of Distributed Application Processing Using MQSeries MQM MVS/ESA	GG24-4167-00	GG244167	0.62
T	SK2T-6022-04 Online Version of Abstract	SV40-1007-02	EZ3AB000	0.09

	Title	Order No.	Filename	MB
	Software Change Management Using NetView DM/MVS with SPMF R2 and MSS/400	GG24-4411-00	GG244411	0.48
N	Software Distribution Using NetView DM for NetWare	GG24-4416-00	EZ305500	9.16
	Systems and Network Management in Distributed Environments	GG24-3999-00	GG243999	0.86
	TCP/IP for DOS/Windows Interoperability and Coexistence	GG24-4374-00	GG244374	4.52
	TCP/IP for MVS, VM, OS/2 and DOS Troubleshooting Guide	GG24-3852-00	GG243852	0.72
	TCP/IP for MVS, VM, OS/2 and DOS: X Window System Guide	GG24-3911-01	G2439111	3.64
T	TCP/IP Tutorial and Technical Overview	GG24-3376-04	EZ306200	1.24
	TCP/IP V2.0 for OS/2 Installation and Interoperability	GG24-3531-02	G2435311	26.23
	The IBM 6611 Network Processor	GG24-3870-00	GG243870	2.49
	The IBM 6611 Network Processor as an IP Router	GG24-4064-00	GG244064	0.59
	The IBM 6611 Network Processor as an SNA/APPN Router	GG24-4367-00	GG244367	2.06
	The Library for Sys Solutions Systems Mgmt Ref for Managed RISC/6000 Systems	GG24-4115-01	GG244115	4.04
	The Library for Systems Solutions Open Networking Reference: A Business and	GG24-4110-00	GG244110	15.09

	Title	Order No.	Filename	MB
	The Library for Systems Solutions: Local Area Network Reference	GG24-4111-00	GG244111	0.87
	The NetView Distribution Manager/6000 Cookbook	GG24-4246-00	GG244246	3.16
N	Understanding DCAF 1.3 in a NetBIOS Environment	GG24-2550-00	EZ304900	1.61
	Using Network Security Program on AIX, OS/2, and DOS Platforms	GG24-4149-00	GG244149	2.41
	Using NFS in a Multivendor Environment	GG24-4087-00	GG244087	0.99
	Using 3174 in TCP/IP Networks	GG24-4172-00	GG244172	5.48
	VTAM Version 4 Release 1 for MVS/ESA Implementation Guide	GG24-4011-00	GG244011	0.45
	VTAM V3R4.1 for MVS/ESA Implementation Guide	GG24-3881-00	GG243881	0.20
	VTAM V4R2 Early User Experiences	GG24-4250-00	GG244250	0.52
	X.25 NPSI V3 Installation Guide & Definition Examples	GG24-3572-01	GG243572	0.35
N	3174 APPN Implementation Guide Update	GG24-4171-00	EZ305200	3.76
	3174 Establishment Controller Networking Server Installation Guide	GG24-3061-05	G2430611	2.10
N	3174 Network Server in Frame Relay and Multiprotocol Networks	GG24-4376-00	EZ306500	4.36
N	8260 Multiprotocol Intelligent Switching Hub	GG24-4370-00	EZ305300	0.91
	Total size			**626.67**

IBM Online Library Reference Bookshelf (Disc 1)

Title	Order No.	Filename	MB
Bookshelf	N/A	AB0RWT07	0.01
Bookshelf Search Index	N/A	AB0RWT07	0.68
BookManager Library Reader for Windows V2 Online Reference (online only)	SC34-3066-00	EJRL3M00	0.18
BookManager Library Reader for Windows V2 Quick Reference Card (online only)	SC34-3067-00	EJRL8M00	0.05
BookManager Library Reader for Windows V2 User's Guide (online only)	SC34-3065-00	EJRL2M00	3.32
BookManager READ for Windows User's Guide	SC34-3056-00	EJRW2M00	3.29
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BookManager READ/2 & Library Reader/2 Displaying Online Books (online only)	SB35-0070-00	EPA3LM03	0.79
BookManager READ/2 General Information	GB35-0800-02	EPA01M04	0.32
BookManager READ/6000 Displaying Online Books	SC22-0096-00	EDLA3M03	0.52
BookManager READ/6000 Getting Started and Quick Reference	SX28-6800-00	EDLA2M03	0.09
BookMgr READ/DOS & Library Reader/DOS Displaying Online Books (online only)	SB35-0069-00	EOZ2LM03	0.18

Title	Order No.	Filename	MB
IBM Online Library Getting Started and Managing the Library	GC23-0545-01	EZ2GSB02	0.16
IBM Online Library Softcopy Collection Kit User's Guide	GC28-1700-00	AB0HEV00	0.93
IBM Softcopy Receiver Tool User's Guide	GC23-3663-03	EBR00103	0.07
Total size			**10.71**

Estimating Host DASD Storage Requirements

Use the following table and formulas to determine the approximate number of tracks or cylinders needed to upload files to host direct access storage devices.

Device	MB per Track	MB per Cylinder
3380	.040	.600
3390	.048	.720
9340	.040	.600

Formulas:

1. Mb to upload = Mb of books + Mb of bookshelves + Mb of search indexes
2. Approximate tracks = Mb to upload ÷ Mb per track
   Approximate cylinders = Mb to upload ÷ Mb per cylinder

Abstracts of ITSO Networking Redbooks

The following pages contain abstracts of the ITSO networking redbooks contained on this CD-ROM. You may also view the abstracts online. The CD-ROM contains the file EZ3AB000, which contains all of the redbook abstracts listed in this booklet. You can view and search this file with any of the IBM BookManager READ or Library Reader programs. You can use the online SEARCH feature to quickly pinpoint which books contain the information you need.

Following the abstracts you will find a complete list of over 950 redbook titles addressing a broad range of IBM and associated product/technology topics.

(GG241562) IBM 3745 CCU Guide for Model 210, 310, 410, and 610
This document is an installation guide for IBM systems engineers and customer personnel who are installing an IBM 3745 Communication Controller Model 310 or 610 for the first time, or migrating from an existing 3745 Model 210, 410 or 372X. It was written as a technical reference to aid in the planning, installing, customizing and testing of an IBM 3745 and its related software products. It does not replace standard IBM publications, but should be used in conjunction with them.

This edition applies to the IBM 3745 Communication Controller with microcode at Engineering Change Level (#A97903).

This redbook is 300 pages. It was published in hardcopy as GG24-1562.

(EZ304400) NCP Tuning with NTune
This document serves two purposes. It describes the most important performance aspects of NCP in great detail, and offers an extensive coverage of the NTuneMON and NTuneNCP, collectively referred to as NTune, products.

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It explains the information NTune is providing and details how NTune can be used to change NCP parameters dynamically, diagnose problems and optimize the performance of your SNA network. A complete list of NCP parameters that can be changed is included.

A separate chapter has been added summarizing all tuning recommendations made throughout the document. This chapter can be used as a tuning checklist.

This redbook is 291 pages. It was published in hardcopy as GG24-2520.

(GG242521) Examples of Selected Configurations and Customization Matters Involved with NetView for AIX and Its Family

This document provides information and examples regarding selected configuration and customization situations involving NetView for AIX V3R1 and related products.

It discusses some configuration/customization challenges and tasks involved with NetView for AIX and related products, and is not intended to imply that all such situations are discussed. In fact, only a very few of the many challenges and tasks are discussed. This document is a start in such documentation being located in a single document and comments in this regard will be of particular value for use in determining future, related projects.

The reader of this document should have access to development division documentation regarding NetView for AIX and the family of products, particularly as relates to Systems Monitor for AIX, AIX LMU/6000, and LNM for AIX.

Many of the topics in this document have been discussed in various ITSO and development documents listed in the Related Publications section of this document. Material in those documents appear in this document as a convenience to the reader.

This document is intended for personnel who need information related to the marketing and acceptance of network management products in an AIX V3 environment. A general knowledge of overall IBM and customer computing systems and C language programming is assumed.

It assumes the reader has a general knowledge of NetView for AIX, as well as a good understanding of AIX system and network management.

This redbook is 333 pages. It was published in hardcopy as GG24-2521.

(EZ304500) An Inside Look at IBM Workgroup Hubs and Switches

This document provides a detailed overview of IBM's workgroup hubs and switches. Included are token-ring, Ethernet, FDDI, remote LAN access, and Asynchronous Transfer Mode (ATM) hubs and Ethernet and token-ring switches. It covers technical descriptions, configuration and cabling specifications, and management options. The document also contains positioning information to enable readers to select the most appropriate product when designing and planning LANs. This document is intended for customers, marketing representatives, system engineers, services specialists, networking specialists and architects who are responsible for planning, implementing, and managing workgroup LANs. The reader should have some knowledge of token-ring, Ethernet, FDDI, and ATM architectures to obtain benefit from this book.

This redbook is 260 pages. It was published in hardcopy as GG24-2528.

(EZ304600) Examples of Using Software Installer

This document describes the CID installation utility "Software Installer" which is available on two platforms: OS/2 and Microsoft Windows. We introduce the product by showing typical scenarios for both operating systems and explain specific features in detail. The book provides explanations, guidelines and practical hints on how to use these products to make installation programs CID-enabled. The scenarios are presented in a cookbook fashion to guide the reader through the various steps that are necessary to define software packages and prepare them for distribution and installation. The book also covers the unattended installation using NetView DM/6000 and NetView DM/2 products.

This document was written for technical personnel and workstation specialists and administrators of LAN-based software distribution environments.

Some knowledge of OS/2, Microsoft Windows and the CID architecture and a basic understanding of REXX and LAN Server is expected from the reader.

This redbook is 228 pages. It was published in hardcopy as GG24-2529.

(EZ306800) Implementing the New Functions of NetView DM/MVS V1.6 and the SPMF Feature

This document describes the new functions of NetView DM/MVS Version 1 Release 6 and the enhancements introduced by its integrated feature Software Profile Management Facility (SPMF).

Information is provided to migrate from the NetView DM 1.5 and SPMF R2 environments to NetView DM 1.6 including DB2 migration for NetView DM 1.5 DRD VSAM data set.

Also included are some scenarios to show you the new function, Reporting by Nodes, allowing you to receive reports when an exception condition is detected by a server or a client.

This redbook is 150 pages. It was published in hardcopy as GG24-2530.

(EZ300000) AS/400 AnyNet Scenarios

This document is unique in its detailed coverage of AnyNet/400. It focuses on providing configuration information and configuration examples for AS/400 AnyNet scenarios. These scenarios cover not just AnyNet/400 to AnyNet/400 connections but also AnyNet/400 to AnyNet/2 connections and AnyNet/400 to AnyNet/MVS connections. Also included is a 5494 scenario showing how this remote workstation controller can be connected to an AS/400 via a TCP/IP network. Information is provided about the AS/400 configuration steps required to implement both AnyNet/400 Sockets over SNA and APPC over TCP/IP.

This document was written for customers and IBM system engineers. Some knowledge of TCP/IP and APPN is assumed.

This redbook is 220 pages. It was published in hardcopy as GG24-2531.

(EZ304700) CM/2 APPC/APPN Tutorial

This document is a tutorial on how to configure Communications Manager/2 to support APPC applications.

It is meant for users who need to implement APPC applications, that rely on CM/2 for their communications needs, and who need to quickly learn the required notions of APPC and APPN that will allow them to better understand the CM/2 configuration requirements for APPC.

The document is not targeted only at workstation communications specialists; it has been written for any user who has some very basic knowledge of communications but who needs a brief and basic tutorial on APPC and APPN to better understand how to work with CM/2 in that environment.

It is structured to introduce, one by one, all the necessary concepts (and only those necessary) for the user to gain a basic understanding of how APPC applications work and to illustrate these concepts with a few practical configuration examples.

This redbook is 266 pages. It was published in hardcopy as GG24-2537.

(EZ303800) IBM SystemView for AIX: An Overview

Systems management is the set of processes that makes information systems services available to users. In order to manage a network effectively, the customer needs a tailorable systems management solution that provides comprehensive, integrated, task-oriented functions.

IBM SystemView for AIX, which is discussed in this book, is the IBM offering providing an integrated solution on the AIX platform. This book reviews IBM's systems management strategy, describes the first release of this offering which addresses a wide variety of customer environments, and relates this offering to customer systems management requirements, which are commonly stated in Requests for Information (RFIs), Requests for Proposal (RFPs) or Invitations to Tender (ITTs) documents. This book is intended for any level of management/technical personnel who are responsible for delivering computing services.

This redbook is 295 pages. It was published in hardcopy as GG24-2541.

(EZ304800) Personal Communications for OS/2 and CM2 Product

This document is written for the OS/2 host connection specialist or a sophisticated end user of OS/2 emulator products. This will typically be a user that needs to access 3270 applications on a S/390 type host (VTAM) or 5250 applications on an AS/400. This book provides product selection and positioning information for Personal Communications for OS/2 with respect to Communications Manager/2.

The first two chapters in particular are probably sufficient for the non-specialist who would like to have a rapid overview of the new Personal Communications for OS/2 products and evaluate their impact on current Communications Manager/2 customers. Some knowledge of Communications Manager/2 is assumed throughout this book.

This book should allow the reader to determine if or when a migration from Communications Manager/2 to Personal Communications for OS/2 is appropriate. Information is also provided to allow Personal Communications for OS/2 to make use of Communications Manager/2 as the SNA transport provider.

This redbook is 112 pages. It was published in hardcopy as GG24-2546.

(EZ304900) Network Management using DCAF

This document provides detailed information about the use of the Distributed Console Access Facility (DCAF) program product in a NetBIOS environment and should be used in conjunction with the publications that are provided with DCAF. Since secure DCAF requires NetBIOS, this document also discusses secure DCAF.

This document was written for IBM system engineers and marketers, as well as customers, who will be running DCAF in a NetBIOS environment.

Some knowledge of DOS, Windows, and OS/2 operating systems, as well as, the IBM LAN Support Program (LSP) and the IBM LAN Adapter and Protocol Support (LAPS) is assumed.

This redbook is 150 pages. It was published in hardcopy as GG24-2550.

(EZ305000) Managing your APPN Environments Using NetView

This document describes the capabilities that are available for managing your APPN environments from NetView (running on a System/390 host). It provides detailed information on the APPN management functions available and shows examples of how to invoke these functions and the results that the user can expect to see. This document covers the functions of NetView starting with V2R2 (available on MVS/XA, MVS/ESA, VM, VM/ESA, and VSE) through NetView V2R4 (for MVS/ESA) with the APPN Topology and Accounting Manager feature and the NetView Remote Operations Manager.

This document was written for system programmers, network analysts and planners, and network operators. Basic knowledge of NetView and APPN is assumed.

This document is not intended to cover IBM's directions in the management of APPN networks, nor is it intended to cover how to manage an APPN environment from any of IBM's other management platforms (such as NetView for AIX, OS/400, NetView for OS/2, or NetView for Windows).

This redbook is 152 pages. It was published in hardcopy as GG24-2559.

(EZ306700) MVS TCP/IP Socket Programming Beginner's Guide

This publication provides basic TCP/IP socket programming information to MVS program developers that plan to use the socket programming interfaces of IBM TCP/IP Version 3 Release 1 for MVS. The main focus is the Sockets Extended, REXX sockets, IMS sockets and CICS sockets programming interfaces of IBM TCP/IP Version 3 Release 1 for MVS. The reader is not required to be familiar with C programming syntax. Code samples are provided in COBOL, PL/I, assembler and REXX. No prerequisite socket programming knowledge is required; but the reader is supposed to be familiar with the MVS environment and its subsystems, including IMS and CICS, and the related application program development tools and techniques.

This redbook is 355 pages. It was published in hardcopy as GG24-2561.

(EZ303900) Building a Firewall with the NetSP Secure Network Gateway

This document deals with the issues involved in connecting private IP networks to the Internet. It describes the different kinds of firewall gateways that can be used for such connections, focussing on the implementation of those functions in the NetSP Secured Network Gateway program product.

There are numerous configuration examples showing ways to set up the filtering, application server and gateway functions of the NetSP Secured Network Gateway.

This document was written for planners and implementors of firewall gateways, to help in designing and configuring solutions using the NetSP Secured Network Gateway.

Some knowledge of TCP/IP protocols is assumed.

This redbook is 95 pages. It was published in hardcopy as GG24-2577.

(EZ301000) SystemView for AIX Sizing Considerations

This booklet is intended to aid customers and IBMers in the task of sizing IBM SystemView for AIX solutions depending on customer systems and network management needs. It can be used when integrating IBM SystemView for AIX into an existing network or when a completely new solution will be delivered. Tables are included which summarize some of the most important system resources required for each IBM SystemView for AIX component. In addition, exceptions and other important considerations that affect the sizing of some products are provided. Lastly, some sample scenarios, which have been sized using the information published in this booklet, are included.

This booklet should be used as a "rule of thumb" or a guide. The information contained has not been submitted to any formal IBM performance, capacity, or benchmark test and is distributed AS IS. Using this sizing guide is at one's own risk.

This redbook is 62 pages. It was published in hardcopy as GG24-2586.

(G2430611) 3174 Establishment Controller Installation Guide
The 3174 Establishment Controller is an important component in multi-protocol networks involving subarea SNA, Advanced Peer-to-Peer Networking, Peer Communication, Token-Ring and Ethernet LAN, X.25, Frame Relay, Integrated Services Digital Network, asynchronous communication, and TCP/IP.

In addition, it offers significant functions such as local format storage, dynamic definition of dependent LUs, ESCON attachment, network management, end-user productivity enhancements, and multi-host connectivity through single link multi-host and multiple upstream physical attachments. Using the Multiple Logical Terminal capability, a user can access multiple host sessions from one terminal.

This document describes the 3174 features and functions, with emphasis on their installation, customization, and operation. It is intended for systems engineers and customer personnel who are installing the 3174. A knowledge of the 3270 Information Display System is assumed.

This redbook is 832 pages. It was published in hardcopy as GG24-3061.

(GG243178) LAN Concepts and Products
This document will be incorporated as part of the new series of Systems Library redbooks. It will provide an introduction to the various types of IBM local area network architectures and product capabilities. It serves as a reference for current LAN technologies and products and complements the reference material available with the specific products. Much of the information detailed in this reference is available through current redbooks, and IBM sales and reference manuals. It is therefore assumed that the reader will refer to these sources for more in-depth information if required.

This document is intended for customers, IBM System Engineers and Marketing Representatives working in Networking and in particular the local area network environments. Details on installation and performance of particular products will not be included in this document as this information is readily available from other sources.

Some knowledge of local area networks is assumed as well as an awareness of the rapidly changing intelligent workstation environment.

This redbook is 525 pages. It was published in hardcopy as GG24-3178

(EZ306200) TCP/IP Tutorial and Technical Overview
This document is for customers, IBM networking specialists and consultants working on projects involving connectivity of IBM systems to equipment manufactured by other equipment manufacturers (OEM). It should be used to gain a basic understanding of the Transmission Control Protocol/Internet Protocol (TCP/IP) protocol suite and to gain an overview of the possible functionality of the IBM TCP/IP based products in heterogeneous networks.

This redbook is 477 pages. It was published in hardcopy as GG24-3376.

(GG243398) IBM Multisegment LAN Design Guidelines
This document provides the reader with information necessary to understand the issues facing local area network planners and designers today.

It positions IBM and industry standards and technologies, as well as techniques and products to enable our audience - IBM customers, systems specialists, networking specialists and systems architects - to better understand current, state-of-the-art LAN-to-LAN and LAN-to-WAN interconnection options.

It covers physical and logical design choices with an emphasis on the practical, everyday aspects and issues related to LAN implementations; it examines some of the underlying architectural principles as well. One should have a background in networking and be familiar with such issues as infrastructure, support and management to obtain maximum benefit from this book.

This redbook is 474 pages. It was published in hardcopy as GG24-3398.

(GG243414) Change Management and Data Distribution Using NetView DM and LANDP
This document describes how the Remote Change Management Services (RCMS) component of the IBM LAN Distributed Platform (LANDP) product interacts with the IBM NetView Distribution Manager (NetView DM) program to provide change management and data distribution to the LANDP workgroup.

The RCMS component of LANDP operates on either an OS/2 or DOS workstation and requires a LANDP SNA server for LU_0 communications with NetView DM.

This document is intended for IBM employees and customers that are involved in designing and developing methods to distribute software and data to remote locations across a Systems Network Architecture (SNA) based network. Knowledge of change management and data distribution concepts is beneficial, but not necessary.

This redbook is 300 pages. It was published in hardcopy as GG24-3414.

(GG243520) APPC and CPI-C Product Implementations
This publication is for use by customers and IBM networking specialists involved with program-to-program communication. The main objective of the publication is to show how different products have implemented the LU 6.2 program-to-program architecture and to compare the different product implementations against the LU 6.2 architecture. The publication will show which functions can be used in the different implementations. This should be particularly useful to people implementing APPC applications in a mixed product environment, although those involved with a single product environment may also find it useful. However, readers should already be familiar with their particular product environment(s) - this publication will describe the APPC aspects only. Other chapters of the publication compare APPC with CPI-C, NetBIOS, TCP/IP and OSI/TP.

This redbook is 296 pages. It was published in hardcopy as GG24-3520.

(G2435311) TCP/IP V2.0 for OS/2 Installation and Interoperability
This document describes TCP/IP V2.0 for OS/2, which is the follow-on product of TCP/IP V1.2.1 for OS/2.

The document focuses on how TCP/IP V2.0 for OS/2 can be used in an environment with various operating system platforms, communications media, and protocol stacks. It provides information on installation and use of TCP/IP V2.0 for OS/2.

This document is intended for the SE audience who will evaluate the product possibilities and who will install the product. The reader is assumed to have a basic knowledge of the TCP/IP protocol

suite and be familiar with OS/2 and the OS/2 Communications Manager. For the reader interested in TCP/IP in an OS/2 LAN Server environment, an understanding of LAN Server concepts is assumed. For the reader interested in TCP/IP in an SNA environment, an understanding the SNA architecture and its communication protocols is assumed.

This redbook is 412 pages. It was published in hardcopy as GG24-3531.

(GG243572) X.25 NPSI V3 Installation Guide and Definitions Examples
This document gives a basic description of the functions of X.25 NPSI Version 3. It is intended as a guide for IBM system engineers and customer personnel planning and utilizing these functions.

Information contained in this document is based on test experiences at the International Technical Support Organization, Raleigh Center, and on various IBM publications on VTAM, NCP and X.25 NPSI.

This redbook is 206 pages. It was published in hardcopy as GG24-3572.

(GG243586) Managing LU 6.2 Nodes Using NetView MS Transport
The purpose of this document is to provide guidelines and examples of how to use the NetView management services (MS) transport API to manage remote NetView and non-NetView systems. (A non-NetView system refers to any IBM or non-IBM computer that supports the LU 6.2 protocol.) An approach to implement a basic MS transport on a non-NetView system is described. Some examples and considerations about how to exploit the MS support provided by Networking Services/2 are also included.

The reader should have some APPC knowledge, and be familiar with writing HLL command processors under NetView.

This redbook is 243 pages. It was published in hardcopy as GG24-3586.

(GG243624) TCP/IP V2.2 for VM Installation and Interoperability
This document provides information to ease the installation and use of IBM TCP/IP Version 2 Release 2 for VM. It focuses on how this product can be used to interoperate in different environments.

The book is organized to help you understand the architecture of IBM TCP/IP V2 for VM, the new functions and enhancements brought by V2R1 and V2R2, and the requirements and guidelines for its installation and tailoring. Each TCP/IP server is discussed and sample configuration files are provided to help with your system customization.

Interoperability possibilities and samples are given between TCP/IP V2R2 on VM and:

- OS/2
- MVS
- Another VM
- DOS
- AIX/UNIX
- OS/400

Network management functions in TCP/IP V2R2 for VM are explained, with particular emphasis on SNMP and the NETSTAT command.

The reader should have some knowledge of the TCP/IP protocol suite and be familiar with the VM and SNA architectures and products.

This redbook is 336 pages. It was published in hardcopy as GG24-3624.

(EZ306100) IBM Network Products Implementation Guide
The purpose of this guide is to provide information that will help system programmers and IBM system engineers in the planning and implementation of IBM network products. The scope of the information in the publication is wide and therefore brief. Much of the information is from other ITSO publications and where appropriate, the reader will be referred to these publications for the

complete information. The examples in this document are taken from a working system at the ITSO in Raleigh and should be considered a supplement to the existing product documentation.

This redbook is 582 pages. It was published in hardcopy as GG24-3649.

(G2436691) APPN Architecture and Product Implementation Tutorial
This document describes Advanced Peer-to-Peer Networking within the Systems Network Architecture. It provides a tutorial on the APPN architectural functions, the relationship between these functions, and a summary of implementations in various products.

This revision includes a new chapter on high-performance routing (HPR) that describes recent changes to APPN architecture to more efficiently route data through high-speed networks. Also, the extended border node

and dependent LU requester/server functions are described in detail.

The document is intended for system engineers, system planners, system programmers, and network administrators who need to know the APPN functions, the APPN node types, and their interrelation. A basic knowledge of networking concepts and terminology is assumed.

This redbook is 275 pages. It was published in hardcopy as GG24-3669.

(EZ302300) TCP/IP V2.2 for MVS Installation and Interoperability
This publication provides information to facilitate the installation and use of IBM TCP/IP Version 3 Release 1 for MVS. It contains a description of the TCP/IP functions that are implemented in IBM TCP/IP Version 3 Release 1 for MVS and provides information on how the product can be installed, customized and used in different environments.

This document is intended for system engineers who will evaluate the product's possibilities and for systems programmers who will plan for and install the product. The reader is assumed to have a basic knowledge of the TCP/IP protocol suite and be familiar with the MVS environment.

This redbook is 544 pages. It was published in hardcopy as GG24-3687.

(GG243701) Examples of Using the NetView XITCI and XITCO Exits
This document describes the uses of the NetView XITCI and XITCO exits and also provides examples of using these exits on an MVS/XA or MVS/ESA operating system.

This document was written for personnel who need information related to the installation and use of the NetView XITCI and XITCO exits. Some general knowledge of overall IBM and customer computing systems is assumed.

This redbook is 111 pages. It was published in hardcopy as GG24-3701.

(GG243717) AS/400 APPN with PS/2 APPN, 3174 APPN, 5394 and Subarea
This document describes the concepts, configurations and flows between Advanced Peer-to-Peer Networking (APPN) network nodes, Advanced Peer-to-Peer Networking (APPN) end nodes and Low-Entry Networking (LEN) nodes. It provides a number of scenarios with these nodes interacting both through and independently of a subarea network. It also provides discussion of the most recent implementations of APPN and T2.1, for AS/400, PS/2, 3174, 5394 and VTAM 3.4.

This document is intended for use by IBM system engineers, system planners and network administrators who are involved in designing APPN networks within a single corporation or between different corporations. A basic knowledge of networking concepts and terminology is assumed.

This redbook is 303 pages. It was published in hardcopy as GG24-3717.

(GG243763) AS/400 Communications Definitions Examples: Volume 2
This document is the second volume in a series of AS/400 Communications Definitions Examples. It is addressed to communication professionals in charge of defining connections between AS/400s and systems such as System/390, System/36 and System/38, Personal System/2 and terminal controllers. The document includes definitions examples which will help the professionals to incorporate AS/400 in both local area networks (LANs) and wide area networks (WANs).

This document complements, but does not replace, AS/400 Communications Definitions Examples (GG243449). You will need both volumes for a complete set of definitions examples.

This redbook is 656 pages. It was published in hardcopy as GG24-3763.

(GG243782) Automated Installation of CID Enabled Products Using NetView DM/2 V2.0 and NetView DM R4
This document describes remote, unattended installation of products that are CID (Configuration/Installation/Distribution) enabled on workstations in a stand-alone LAN or host-connected LAN environment using NetView Distribution Manager/2 Version 2, NetView Distribution Manager Release 4 and Software Profile Management Facility. It attempts to cover the the planning and the steps required for the total CID process from a CID and LAN administrator's point of view. The book presents practical scenarios for CID enabled and also for non-CID enabled products mainly dealing with automated installation, maintenance and upgrade of remote OS/2 systems from a centrally located preparation site. These scenarios are presented in a cookbook fashion to guide the reader through the various concepts and steps.

This document is written for technical support personnel of software installation on workstations in a LAN. Knowledge of CID enabled products and a basic understanding of NetView DM/2 and NetView DM will be useful to the reader.

This redbook is 554 pages. It was published in hardcopy as GG24-3782.

(GG243785) NCP V6 Planning and Implementation Guide
This document gives a basic description of the new functions in ACF/NCP Version 6 Release 1, 5688-231. It was written as a guide for IBM systems engineers and customer personnel planning to utilize these new functions. Some knowledge of SNA is required and a basic understanding of TCP/IP might also be helpful.

Installation examples included in this book are based upon test experiences at the International Technical Support Organization, Raleigh Center.

This redbook is 196 pages. It was published in hardcopy as GG24-3785.

(GG243804) Overview and Examples of Using AIX NetView/6000
This document describes the uses of AIX NetView/6000, Version 1. It provides basic examples of implementing AIX NetView/6000 on a RISC System/6000.

This document was written for personnel who need information related to the marketing and acceptance of the IBM RISC System/6000 AIX systems in a communications environment. Some general knowledge of overall IBM and customer computing systems is assumed.

This redbook is 250 pages. It was published in hardcopy as GG24-3804.

(GG243815) Security Overview of Open Systems Networking
This document provides material intended for use in preliminary discussions related to Open Network Security matters.

It was written for IBM and IBM customer personnel who need information related to system and network security. Some general knowledge of overall IBM and customer computing systems is assumed. This book provides an overview of systems security and approaches the topic from an Open Systems perspective. Its purpose, however, is to introduce the concept of security from both a systems and a network perspective.

This redbook is 67 pages. It was published in hardcopy as GG24-3815.

(EZ306400) High-Speed Networking Technology: An Introductory Survey
This publication presents a broad overview on the emerging technology of very-high-speed communications. It is written at the "technical conceptual" level with some areas of greater detail. It was written for computer professionals who have some understanding of communications (but who do not necessarily consider themselves experts).

The primary topics of the book are:

- The Principles of High-Speed Networking
- Fibre Optical Technology and Optical Networks
- Local Area Networks (Token-Ring, FDDI, MetaRing, CRMA, Radio LANs)

- Metropolitan Area Networks (DQDB/SMDS)
- High-Speed Packet Switches (frame relay, Paris, plaNET)
- High-Speed Cell Switching (ATM)

This redbook is 450 pages. It was published in hardcopy as GG24-3816.

(GG243841) AS/400 Automation Using NetView and SNA MS Transport
This document provides guidelines and examples of using the NetView management services (MS) transport API in conjunction with the AS/400 management services API for AS/400 automation. It describes the common management services on NetView and AS/400 systems. It also provides guidelines and examples for the implementation of remote operations applications.

This document is intended to guide AS/400 and NetView system programmers and system engineers in the implementation of systems management automation functions. A good knowledge of APPC and systems management is assumed.

This redbook is 283 pages. It was published in hardcopy as GG24-3841.

(G2438431) LAN/WAN eXchange (LWX) Planning and Implementation Guide
This document explains the LAN/WAN eXchange (LWX) feature of the IBM 973X product line (also known as IDNX or Integrated Digital Network Exchange by the manufacturer NET - Network Equipment Technologies Inc.).

Items covered in this document include the following:

- LWX features
- LWX module descriptions
- Planning information
  - LAN interconnection
  - Planning worksheets
- Installation information
- Operator screens

The document is intended for network managers, network architects, systems engineers, and systems programmers who are considering using the LWX to bridge or route their local area networks (LANs) across a 973X backbone network. The planning outline contained in this document should be valuable far into the future, even if the technical content is not current.

This redbook is 379 pages. It was published in hardcopy as GG24-3843.

(GG243845) OSI Product Installation Guidelines for MVS and VM
This document describes the IBM OSI products in the MVS and VM environments including:

- OSI/Communications Subsystem V1R1.1 for MVS and VM
- ONDS X.400 V1R1 for MVS and VM
- OSI/File Services V1R1 for MVS and VM
- X.400 DISOSS Connection V1R2 for MVS
- X.400 PROFS Connection V1R3 for VM

This document provides summarized steps for planning, installing, customizing and operating these products.

Some knowledge of the OSI standards and the environment in which the products run is assumed.

This redbook is 660 pages. It was published in hardcopy as GG24-3845.

(GG243852) TCP/IP for MVS, VM, OS/2 and DOS Troubleshooting Guide
This document provides information to ease the installation and troubleshooting of a TCP/IP network. It was written using TCP/IP V2R1 for MVS, TCP/IP V2R2 for VM, TCP/IP V1R2 for OS/2, TCP/IP V2R0 for DOS and AIX/6000 V3R2.

This document is intended for the customers and systems engineers who will install and maintain TCP/IP networks. It is divided in two parts:

- Part 1 contains hints and tips about the installation and customization of TCP/IP for MVS, a detailed description of the setup and operation of TCP/IP for MVS/VM over X.25 and SNA links, and gives guidance for installing and operating a name server in the VM environment.
- Part 2 is dedicated to the use of the basic diagnostic tools included in the IBM TCP/IP products for MVS, VM, OS/2, DOS and the RISC System/6000, to troubleshoot routing problems in a TCP/IP network.

The reader is assumed to have a good working knowledge of the TCP/IP protocol suite and be familiar with the MVS, VM, OS/2, DOS, and AIX/6000 operating systems, and with the SNA and X.25 architectures and products.

This redbook is 283 pages. It was published in hardcopy as GG24-3852.

(GG243865) FDDI Concepts and Products
This document provides an introduction to the IBM Fiber Distributed Data Interface (FDDI) Local Area Network (LAN).

It describes the concepts behind FDDI LANs and explains the functions and the various ways to design, install and manage FDDI LANs using IBM FDDI products.

The document is intended mainly for customers, IBM system engineers and marketing support representatives who are responsible for supporting FDDI networks.

This redbook is 307 pages. It was published in hardcopy as GG24-3865.

(GG243870) 6611 Network Processor
This document describes the IBM 6611 Network Processor and the IBM Multiprotocol Network Program (5648-016). It provides an introduction to the concepts, functions, and roles of the 6611 Network Processor and Multiprotocol Network Program in various environments. Use of the 6611 Network Processor configuration program and the management capabilities of the 6611 are also explained.

Example scenarios for the 6611 Network Processor are provided, including:

- Basic TCP/IP
- Remote Source Route Bridging
- Data Link Switching

This document was written for network managers, network architects, systems programmers and systems engineers who need to implement networks that incorporate the 6611 Network Processor with the Multiprotocol Network Program. A basic knowledge of networking architectures and protocols is assumed.

This redbook is 291 pages. It was published in hardcopy as GG24-3870.

(GG243871) Automated Configuration Management Info/System-NetView Bridge
This document describes automated configuration management using NetView's Vital Product Data capabilities and the Information/System-NetView Bridge Adapter.

It describes the various configuration management tools and processes available, and provides samples and implementation experiences related to the automation of this process.

This document was written for systems programmers and network personnel who need to collect and update configuration records in the Information/System database. Knowledge about Information/System, NetView customization and CLISTs, and Vital Product Data is required.

This redbook is 188 pages. It was published in hardcopy as GG24-3871.

(GG243881) VTAM V3R4.1 for MVS/ESA Implementation Guide
This document investigates the new functions available in VTAM V3 R4.1 for MVS/ESA. It is intended as a technical reference on installation hints, customization, and testing experiences accomplished during a research project conducted at the International Technical Support Organization, Raleigh Center.

The main emphasis is on the following functions: support for cryptographic key modification, data compression, dynamic definition of dependent LUs (DDDLU), VTAM enhancements for communication controllers, and non-disruptive deactivation of CDRMs.

This publication was written for SNA communication network systems programmers and IBM systems engineers who have to plan for the implementation of these new VTAM functions.

This redbook is 81 pages. It was published in hardcopy as GG24-3881.

(G2439111) TCP/IP for MVS, VM, OS/2 and DOS X Window System Guide
The purpose of this document is to provide information pertinent to the implementation of the X Window Systems for TCP/IP under MVS, VM, AIX/6000, OS/2 and DOS.

The document focuses on how to customize and use the X Window Systems provided by the following products:

- IBM TCP/IP Version 2.1 for MVS running under MVS/ESA
- IBM TCP/IP Version 2.2 for VM running under VM/ESA and VM/SP
- IBM AIXwindows Environment/6000 Version 1.2 running under AIX/6000 Version 3.2
- IBM TCP/IP Version 1.2.1 for OS/2 running under OS/2 Version 2.0
- HCL-eXceed Plus Version 3.0.1 with TCP/IP Version 2.0 for DOS running under DOS Version 5.0
- HCL-eXceed/W Version 3.0.1 with TCP/IP Version 2.0 for DOS running under DOS Version 5.0 and Microsoft Windows Version 3.0

The X Windows client application environments for MVS, VM and AIX/6000 are discussed as well as X Windows interoperability with a non-IBM platform.

The intended audience for this document is customer personnel and IBM System Engineers who will evaluate and implement X Windows on one or more of the above platforms. It is assumed that the reader has a working knowledge of TCP/IP and each of the operating systems listed above.

This redbook is 156 pages. It was published in hardcopy as GG24-3911.

(GG243918) AS/400 Network Routing Facility
This document describes the support in Operating System/400 Version 2 Release 2 for Network Routing Facility Version 1 Releases 5, 6 and 7. It allows 3270 terminal users to sign-on to an AS/400 through an NCP, which is resident in a communications controller, as though they were using 5250 devices.

This document is intended for customers and systems engineers who will be responsible for the planning and implementation of this type of network. A knowledge of AS/400 communications and SNA networking is assumed.

This redbook is 110 pages. It was published in hardcopy as GG24-3918.

(GG243919) AS/400 SNA Passthrough
This document describes the concepts and configurations of SNA Pass-Through, including definitions and examples. It provides a number of scenarios which show how a 327x emulation or terminal, retail or finance device, can pass through one or more AS/400 systems and access primary applications on a System/370 or System/390 host computer.

This document is intended for use by IBM customers, IBM systems engineers, system planners and network administrators who are involved in designing and installing the AS/400 SNA Pass-Through Facility. A basic knowledge of SNA VTAM/NCP communication, APPN, OS/2, DOS, NS/2 and AS/400 is assumed.

This redbook is 170 pages. It was published in hardcopy as GG24-3919.

(GG243924) LANDP/DOS and LANDP/2 Concepts and Guidelines
This document describes IBM LAN Distributed Platform/DOS Version 2.0 and IBM LAN Distributed Platform/2 Version 2.0 for Personal Systems/2 and personal computers. LANDP/DOS and LANDP/2 are the follow on products to IBM FBSS and IBM FBSS/2, and provide a solution for Local Area Networks, based on the client/server model for distributed applications.

This document was written for system analysts, system programmers, and application programmers. Working examples on the new parametric customization and on how to compile and link

32-bit programs with the IBM C Set/2 compiler and IBM Workframe/2, as well as running the Multiple Virtual DOS Machine Relay, will hopefully make this bulletin a helpful addition to the product's manuals.

New LANDP/2 V2.0 servers, such as CICS OS/2 Call Interface Server, DDE Access Server, and Batch Machine Server are covered in this manual with practical examples. Also, new LANDP V2 facilities like CID, Windows support, TCP/IP support and Object Oriented Programming bindings with C++ are explained in detail.

You should understand the IBM Personal Computer or the IBM Personal System/2, IBM DOS if working with LANDP/DOS, and IBM OS/2 V2.0 if working with LANDP/2. In addition, you should be familiar with the C language in order to understand the sample programs shown here.

This redbook is 425 pages. It was published in hardcopy as GG24-3924.

(GG243942) LNM 1.1 LNME 1.0 LSM 1.0
This document describes the LAN Network Manager Version 1.1, LAN Network Manager Entry Version 1.0, and LAN Station Manager Version 1.0 programs. It provides information on the installation, customization and operation of these products.

Also included are specific topics such as:

- Graphical interface
- LAN management from NetView
- LAN Network Manager V1.1 database
- MIB Reference tables

It was written for systems engineers and customers who will be implementing these products to provide network management support for their LAN-attached devices.

This redbook is 240 pages. It was published in hardcopy as GG24-3942.

(GG243956) Overview of IBM NetView RODM and Data Models
This document provides an overview of IBM NetView Resource Object Data Manager (RODM) and how to implement a data model for RODM's use. It describes the RODM data model and its functions, explains how to implement a data model, and provides an overview of the GMF Host Subsystem data model. It does not explain the actual writing of methods or applications that would be necessary for your process to utilize the data model.

This document was written for systems engineers and customers who need a general understanding of RODM and the use of data models.

Some basic knowledge of object-oriented technology and previous NetView releases is assumed.

This redbook is 65 pages. It was published in hardcopy as GG24-3956.

(GG243958) Communications Manager/2 V1.0 New Features
This document describes the new and enhanced features of IBM Communications Manager/2 Version 1.0. It is meant as a guide and tutorial to the new features and facilities available with the single user version of this release, and to highlight its differences from the OS/2 Extended Services version of Communications Manager.

CM/2 V1.0 Installation and Configuration are described including an explanation of remote install and examples of using the CID process to install and configure CM/2 V1.0.

New features of CM/2 covered include:

- Multiple PU support
- SNA gateway enhancements
- 3270 & 5250 emulators
- 3270 host print
- SNA management services
- SNA/APPN configuration parameters
- Problem determination

Familiarity with previous releases of Communications Manager is assumed.

This redbook is 249 pages. It was published in hardcopy as GG24-3958.

(GG243974) ACF/NCP V7R1 IP Router Planning and Installation Guide
This document gives a basic description of the new IP Router functions in

It is intended as a guide for IBM systems engineers and customer personnel planning to utilize these new functions.

A knowledge of Internet Routing is required and some basic knowledge of SNA and TCP/IP might be helpful.

Installation examples included in this book are based upon test experience at the International Technical Support Organization in Raleigh.

This redbook is 293 pages. It was published in hardcopy as GG24-3974.

(GG243999) Systems and Network Management in Distributed Environments
This document provides information on the following topics:

- In the name of rightsizing, can I move my systems and network management functions out of the "glasshouse"?

  Topics discussed include management protocols, functions required, capacity issues, and Reliability/Availability/Serviceability characteristics.
- In my distributed environment, which management functions should I be looking for - and which IBM products can provide these functions?

  Distribution of software and data management (backup etc.) are discussed in other IBM publications and are not included in this document.

This redbook is 180 pages. It was published in hardcopy as GG24-3999.

(GG244003) NetView V2R3 Experiences Using NetView GMF and Automation Enhancements
This document was written primarily for systems programmers, operators and technical managers who will be installing, implementing and optimizing the many new functions of NetView V2R3.

A few examples are:

- NetView Graphic Monitor Facility (GMF) operations and customization
- Extended MCS console support and its value
- How to use the new automation enhancements and message coloring
- Improved security and operation support discussion

Information and examples on how these features can be used in a typical system with a broad range of applications are also included.

Knowledge of the concepts and components of previous NetView releases is assumed.

This redbook is 284 pages. It was published in hardcopy as GG24-4003.

(GG244005) Integration of Common OS/2 Communications Products
Communications software is easy to install, isn't it? Well, perhaps that is true if you only want one, two or three products on one workstation. But what if you need six or more different communications products on one workstation? Their documentation tends to concentrate on a single installation on a simple, empty machine. This book focuses on the combined installation of 12 products: NTS/2, RouteXpander/2, CM/2, LAN Server, DB2/2, DDCS/2, PC Support/400, LSM, DCAF, TCP/IP, LMU and NetView DM/2. For example, are there problems caused by the order of the statements in CONFIG.SYS, or by the required number of Link Stations or SAPs? We describe how these are installed on a typical scenario consisting of a user workstation, a gateway/server and an administrator workstation.

This book is intended for communications specialists. A good knowledge of OS/2, LANs, WANs, AS/400, and mainframes is assumed.

This redbook is 256 pages. It was published in hardcopy as GG24-4005.

(GG244011) VTAM Version 4 Release 1 for MVS/ESA Implementation Guide
This document describes experiences gained in implementing VTAM for MVS/ESA Version 4 Release 1. Its purpose is to assist others in implementing the new functions of this product, by providing tested examples and definitions which have actually worked in a VTAM V4R1 environment.

The bulk of the document is concerned with APPN, which is the major new function in VTAM V4R1. However, it also covers the other enhancements to the product, such as network-qualified names, dynamic reconfiguration, and multipath channel-to-channel.

The document was written for SNA network systems programmers and IBM technical support personnel who plan to implement the functions of this VTAM release. The reader should have a working knowledge of SNA, APPN, and previous releases of VTAM.

This redbook is 283 pages. It was published in hardcopy as GG24-4011.

(GG244012) NCP 6.2 Planning and Implementation Guide
This document gives a basic description of the new functions in ACF/NCP Version 6 Release 2, 5688-231.

It is intended as a guide for IBM systems engineers and customer personnel planning to utilize these new functions.

A knowledge of SNA is required and some basic knowledge of Frame Relay Architecture and ESCON might be helpful.

Installation examples included in this book are based upon test experience at the ITSO in Raleigh.

This redbook is 299 pages. It was published in hardcopy as GG24-4012.

(GG244018) Applied Use of RODM and Automation
This document describes the new IBM NetView V2R3 Resource Object Data Manager (RODM). It provides the reader with many working examples that show how to use RODM to monitor and automate your system and network.

This document was written for systems programmers and systems analysts who need detailed information about loading, gathering, and accessing resource data in RODM in order to monitor and automate processes on a system-wide basis.

This redbook includes invaluable examples showing:

- How to define your own data model.
- A working automation model with CLISTs and METHODS.
- How to use RODMVIEW (IBM RODM TOOL SUPPORT/MVS PRPQ# P85292) to see and change the RODM data cache dynamically.

Some knowledge of the NetView program is assumed.

This redbook is 251 pages. It was published in hardcopy as GG24-4018.

(GG244023) AS/400 APPN Configuration Guide
This document describes the concepts, configurations and flows between Advanced Peer-to-Peer Networking (APPN) network nodes, Advanced Peer-to-Peer Networking (APPN) end nodes and LEN end nodes. It provides a number of scenarios with these nodes interacting both through and independently of a subarea network. It also provides discussion of the most recent implementations of APPN, for AS/400, PS/2, 3174, 5394, 5494, RISC/6000 and VTAM 4.1.

This publication also provides the reader with an understanding of the mechanisms which underpin the implementation of APPN on these systems, and does not merely provide configuration examples.

This document is intended for use by IBM system engineers, system planners, and network administrators who are involved in designing APPN networks within a single corporation or

between different corporations. A basic knowledge of networking concepts and terminology is assumed.

This redbook is 480 pages. It was published in hardcopy as GG24-4023.

(GG244033) IBM 8250 Intelligent Hub & IBM Hub Management Program/6000
This document provides detailed information about the Installation and configuration of the IBM 8250 Multiprotocol Intelligent Hub and all all its modules. It also provides detailed information about how to manage networks based on the IBM 8250 Multiprotocol Intelligent Hub, using in-band and out-of-band management functions provided by the IBM 8250 management modules and the the IBM AIX NetView Hub Management Program/6000.

To provide the users with the necessary background information, introductions to Ethernet, FDDI, LAN Bridging standards, and TCP/IP have also been included in this document.

This document was written for network managers, network architects and system engineers who need to implement token-ring, Ethernet and/or FDDI networks which incorporate the IBM 8250 Multiprotocol Intelligent Hub and the AIX NetView Hub Management Program/6000. Some knowledge of networking architectures and protocols is assumed.

This redbook is 404 pages. It was published in hardcopy as GG24-4033.

(GG244036) OSI Multivendor Interoperability Guide
This document describes OSI (Open Systems Interconnection) Interoperability testing between IBM and non-IBM products. It provides guidelines for the implementation of an OSI interoperability test environment and details on some of the customization necessary to achieve a satisfactory outcome of selected OSINET test cases. Specific examples of testing with DEC and UNISYS products are included as well as testing with SUN demonstration OSI software.

Interoperability test observations are discussed per layer and potential pitfalls are pointed out.

This document is intended for systems engineers and those who need to plan for the implementation of an OSI network comprising multivendor platforms. A working knowledge of the Open Systems Interconnection architecture is assumed.

This redbook is 720 pages. It was published in hardcopy as GG24-4036.

(GG244057) LANDP/6000 Concepts and Guidelines
This document describes IBM LAN Distributed Platform/6000 Version 1.0. LANDP/6000 is the newest member of the LANDP family of products and extends the ability to create client/server solutions for distributed applications to the AIX environment.

This document was written for system analysts, system programmers, and application programmers and provides an overview of LANDP/6000, installation and customization guidelines, wide area communications using AIX SNA Services/6000, data management using the INFORMIX RDBMS, interoperability with Open Software Foundation's (OSF) Distributed Computing Environment (DCE), and problem determination utilities. All of these make this document a valuable addition to the product's manuals.

Since LANDP provides the ability to create client/server solutions for distributed applications on a variety of platforms (DOS, OS/2, OS/400, and AIX) and the LANDP customization is done on a DOS or OS/2 workstation, you should have a working knowledge of the IBM Personal Computer or the IBM Personal System/2, IBM DOS (if working with LANDP/DOS), and IBM OS/2 V2.x (if working with LANDP/2). Also, AIX knowledge and C language experience is assumed in order to understand the sample programs.

This redbook is 400 pages. It was published in hardcopy as GG24-4057.

(GG244058) AS/400 SNA Primary LU Support Configuration Guide
This document describes the SNA Primary LU Support (SPLS) in Operating System/400 and how to configure the AS/400 to use SPLS to communicate with Virtual Telecommunications Access Method (VTAM). SPLS enables 3270 users who are connected to a Systems Network Architecture (SNA) communications controller to use any AS/400 system that is connected to the SNA

network. The 3270 users can sign on and use AS/400 applications as though they were using 5250 devices.

This document is intended for customers, IBM systems engineers, system planners and network administrators who are involved in designing and installing AS/400 SNA Primary LU Support. A knowledge of AS/400 communications and SNA networking is assumed.

This redbook is 205 pages. It was published in hardcopy as GG24-4058.

(GG244059) Examples of Using AIX NetView/6000 APIs
This document provides a summary of early-use examples of AIX NetView/6000 APIs (Application Programming Interface). AIX NetView/6000 Version 2 Release 1 (V2R1) allows for AIX V3 applications to use provided application programming techniques to access data and functions used within AIX NetView/6000 V2R1 without having a need to know underlying implementation details. The project involved in creating this document was aimed primarily at using the End-User Interface (EUI) API and database information related to the EUI.

This document assumes the reader has a general knowledge of AIX NetView/6000.

This document is intended for personnel who need information related to the marketing and acceptance of network management products in an AIX V3 environment. A general knowledge of overall IBM and customer computing systems and C language programming is assumed.

This redbook is 194 pages. It was published in hardcopy as GG24-4059.

(GG244062) Introduction to Using the Message Queuing Interface via Message Queue Manager/ESA
This document provides a view of messaging and queuing with the Message Queuing Interface (MQI), primarily as seen from the point of view of an MVS-based system.

Although it is recognized that many MVS systems involve CICS, IMS and TSO/batch subsystems, the activities involved in this project only had access to a CICS and TSO/batch interface to the MQI.

This document is intended for personnel who need information related to the marketing and acceptance of messaging concepts for communications with MVS-based subsystems.

A general knowledge of overall IBM and customer computing systems is assumed.

This redbook is 150 pages. It was published in hardcopy as GG24-4062.

(GG244063) Management of Multiprotocol Environments using NetView
This document describes an application that has been developed to collect management data from multiprotocol environments from NetView. It collects this data from three different service point products: LAN Network Manager, LAN Management Utilities/2, and AIX NetView/6000.

The data collected is useful for day-to-day operations and provides a central, integrated control point and single interface for management of these different environments. It provides monitoring capabilities through its Dynamic Alert Management component with links to configuration and operational data. These functions can greatly assist in the isolation and resolution of problems.

This document describes one approach to provide integrated management of multiprotocol environments from NetView.

Some knowledge of the above products is assumed.

This redbook is 178 pages. It was published in hardcopy as GG24-4063.

(GG244064) 6611 Network Processor as an IP Router
This document describes the operation of the IBM 6611 Network Processor as an IP router. It provides a full description of all the IP routing protocols supported by the IBM 6611 Network Processor, and explains the design considerations for their use. Example configurations are provided to show operation of the 6611 Network Processor with the RIP, OSPF, EGP and BGP routing protocols.

This document is intended for network managers, network designers, and network systems specialists with a need to implement TCP/IP networks which incorporate the IBM 6611 Network Processor.

An introduction to internetworking is provided but a good knowledge of networking concepts is assumed.

This redbook is 224 pages. It was published in hardcopy as GG24-4064.

(GG244067) Managing Non-SNA Resources Using NetView GMFHS
This document describes the new component of NetView V2R3 called Graphic Monitor Facility Host Subsystem (GMFHS). Included is a description of how to implement management of non-SNA resources from a central site NetView, using LAN Network Manager V1.1, and AIX SystemView NetView/6000 as service point applications.

The experiences documented in this publication is intended for network planners and system programmers who will be responsible for similar projects or will be evaluating the value of and the efforts required to manage non-SNA resources from a single point of control. Some knowledge of Resource Object Data Manager (RODM), OS/2, and NetView customization will be helpful, but is not required.

This redbook is 254 pages. It was published in hardcopy as GG24-4067.

(GG244075) Examples of Using AIX Systems Monitor/6000
This document provides a summary of selected examples of using AIX Systems Monitor/6000 Version 1 together with AIX NetView/6000 Version 2 Release 1 (V2R1).

This document assumes the reader has a general knowledge of AIX NetView/6000, as well as a good understanding of AIX system and network management.

This document is only a summary of some initial uses of AIX Systems Monitor/6000 and this document is not intended to provide details of nor imply that the examples shown are in any way the limit of what AIX Systems Monitor/6000 provides. The reader of this document must have access

to AIX Systems Monitor/6000 Users Guide Version 1, SC31-7042 to use AIX Systems Monitor/6000.

This document is intended for personnel who need information related to the marketing and acceptance of network management products in an AIX V3 environment. A general knowledge of overall IBM and customer computing systems and C language programming is assumed.

This redbook is 139 pages. It was published in hardcopy as GG24-4075.

(G2440771) IDNX Frame Relay Network Planning and Implementation
This document describes the Frame Relay eXchange (FRX) feature of the IBM 973X product family, also known as the Integrated Digital Network eXchange (IDNX). It provides an overview of the frame relay protocol and the capabilities of the Frame Relay eXchange feature.

This document describes how to plan for a frame relay network and how the FRX can interoperate with RouteXpander/2, 6611 Router and 3745 Communications Control Unit. It describes the installation, setup and configuration of the FRX feature and provides many practical examples. The network management aspects of a frame relay network are also discussed.

This document is written for network architects, network operators, networking systems engineers and system programmers.

Some knowledge of IDNX network terminology is assumed.

This redbook is 190 pages. It was published in hardcopy as GG24-4077.

(GG244087) Using NFS in a Multivendor Environment
This document provides information to facilitate the installation and usage of the Network File System (NFS) on various operating system platforms. Particular consideration is given to NFS implementation in a multivendor environment.

The document includes test-case scenarios which apply to NFS client/server combinations using both IBM and non-IBM platforms.

The IBM platforms used in these scenarios are MVS, VM, OS/400, AIX, OS/2 and DOS. The non-IBM platforms used are SunOS and MultiNet.

This document is intended for customer personnel and IBM system engineers who will evaluate and implement NFS on one or more of the mentioned platforms.

This redbook is 363 pages. It was published in hardcopy as GG24-4087.

(GG244110) Library for Systems Solutions Open Networking Reference
This book is a reference guide to open networking. It is written for IBMers and customers and can be used to help develop an open networking infrastructure that can support customers' existing and growing business requirements. A general understanding of networking is assumed.

This book explains IBM's role in the development of open networking technologies, discusses the key design requirements for building an open networking infrastructure, and compares some of the technologies available in the three major technology areas: application support, transport networks, and subnetworking. IBM's Networking Blueprint, introduced in March 1992 and generalized in September 1992, is discussed and used as a model to provide recommendations to resolve customer problems. IBM's Open Blueprint, introduced in April 1994, is discussed briefly, focusing on its evolution from the Networking Blueprint.

A glossary of open systems and networking terms is included.

This redbook is 785 pages. It was published in hardcopy as GG24-4110.

(GG244111) Library for Systems Solutions Local Area Network Reference
Local Area Network Reference is for those looking for high-level conceptual and product overview information about the LAN environment. It provides an overview of the various types of local area network architectures and product capabilities. It also provides positioning information to assist the reader in designing networks and recommending products. For more in-depth information please refer to specific product manuals and other redbooks on networking. This document is intended for customers, IBM systems engineers, services specialists, marketing specialists, and

marketing representatives involved with networking and LANs. Details on installation and performance of particular products will not be included in this document as this information is available from other sources. Some knowledge of local area networks is assumed as well as an awareness of the rapidly changing intelligent workstation environment.

This redbook is 148 pages. It was published in hardcopy as GG24-4111.

(GG244115) The Library for Systems Solutions: Systems Management Reference for Managed RISC/6000 Systems
The Systems Management Library provides a single point of reference to address systems management solutions. The document, Introduction to Managing Open Systems, of this series includes background information on frameworks and technologies to enable effective use of the companion volumes, which are organized by the resources to be managed. This volume covers the systems management of AIX, both with AIX as a managing system, providing facilities to manage AIX, attached devices and other platforms; and with AIX as a managed system from a host, for example, MVS/ESA. This manual is split into sections that cover an introduction to systems management; product-based descriptions of AIX and NetView for AIX systems management products, and scenarios describing how these products may be used and what facilities they provide. The primary emphasis is on "how" and "what" can be managed from "where", highlighting what can be done with the products, not how to implement them. The organization of this volume is such that the reader can search directly for a specific configuration needed. This document is organized so it need not necessarily be read from cover to cover.

This redbook is 234 pages. It was published in hardcopy as GG24-4115.

(GG244129) AIX SNA Services V1.2 Sample Connections
This document provides basic examples of using AIX SNA Services V1.2, and products that communicate with AIX V3.2. Primary products involved include: AIX NetView Service Point and HCON. Other products involved include LU0 applications such as the HCF and NetView DM catchers. In addition, this project has attempted some minor automation for AIX SNA Services functions.

This document was written for those people who require information on environments involving RISC System/6000 for SNA environments and SNA environments which intend to interact with network management systems like AIX NetView/6000. A general knowledge of overall IBM and customer computing systems is assumed.

This redbook is 310 pages. It was published in hardcopy as GG24-4129.

(EZ305100) CT Definition/2 Application Development Handbook
This document describes the environment for the development of transaction oriented applications using the IBM SAA Consumer Transaction Definition/2 licensed program. It provides guidelines for the installation of CTD/2, the Database 2 OS/2 product, as well as other requisite software. It describes how existing DOS and OS/2 libraries are converted to the CTD/2 database and explains how new transactions are developed, compiled, and tested. Topics and hints which are not found in the CTD/2 product publications are included in this document.

This document is written for system analysts, system programmers, and LAN managers who install and administer workstations for application development, and for application programmers who develop transactions for DOS and OS/2 workstations. A working knowledge of DOS and OS/2 is assumed.

Programmers with no knowledge of Consumer Transaction (CT) may use this publication as a textbook.

This redbook is 766 pages. It was published in hardcopy as GG24-4141.

(GG244142) Communications Manager/2 V1.1 Enhancements
This document describes the new and enhanced features of IBM Communications Manager/2 Version 1.1. It is meant as a guide and tutorial to the new features and facilities available with this new release of CM/2.

It is not meant to replace any of the product publications; these product publications are referenced throughout this document in order to guide the reader to sources of additional and more detailed information.

This document is intended for persons who already have some familiarity with previous releases of Communications Manager and who wish to quickly get familiar with the new and enhanced features of this new release.

This redbook is 250 pages. It was published in hardcopy as GG24-4142.

(GG244145) Experiences Using NetView Pipelines
This document describes NetView Pipelines. It starts with a short introduction, showing the functions of and the message flow through the NetView pipelines. It also describes the advantages of using NetView Pipelines.

It contains a chapter of step-by-step instructions for the first-time user. Also included is a section on theory where important considerations for effective use of NetView Pipelines are described in detail. We describe how the correlation problem with &WAIT or TRAP can be solved and finally describe how to write pseudo stages.

Furthermore, the document contains several very usable command lists. Examples of how to use them as well as their output are also included.

This document is intended for experienced operators, systems programmers and people involved in automation projects using NetView. A knowledge of NetView and REXX is assumed.

This redbook is 138 pages. It was published in hardcopy as GG24-4145.

(GG244149) Using Network Security Program on AIX, OS/2 and DOS Platforms
This document describes Network Security Program (NetSP), which is a distributed authentication and key distribution program that can run on the AIX/6000, OS/2 and DOS operating system platforms over TCP/IP, LU 6.2 and NetBIOS transfer protocols. The Network Security Program authenticates the identity of two communicating principals in the network and provides each with the ability to verify the identity of the other, without passwords being sent in clear across the network. The communicating principals can be either people (users) or programs (application servers). Messages can be signed and verified, so that any illicit alteration to them will be

detected. The product also supports single signon to multiple host applications, again without passwords being sent in clear across the network.

This document was written for those who wish to install the product or write programs that use its APIs. Included are examples of the results obtained when using the product, and sample applications which use the APIs provided.

This redbook is 135 pages. It was published in hardcopy as GG24-4149.

(GG244154) AS/400 Network Management Guide
Operating System/400 provides certain basic network management functions. This document describes how these functions can be effectively extended by the use of the following products:

- SMAO/400 (Systems Management Automation Offering/400)
- NetView Remote Operations Manager and NetView Remote Operations Agent/400
- AUTOMATION CENTER/400
- NetView to AS/400 Bridge PRPQ

This document is intended for anyone with a need to manage AS/400 systems and/or AS/400 networks. Some general communications knowledge is assumed.

This redbook is 311 pages. It was published in hardcopy as GG24-4154.

(GG244156) NetView Performance Monitor V2.1 Experiences Using the New GUI and VTAM Statistics
This document describes NetView Performance Monitor (NPM) Version 2 which provides a new powerful graphical user interface (GUI) based on OS/2 Presentation Manager and a new function for collecting performance data from VTAM. This publication describes experiences from installing and use with other products like NetView's Graphics Monitor Facility. This document was written for network designers, network administrators, and system programmers. Some knowledge of OS/2 and NPM is assumed.

This redbook is 164 pages. It was published in hardcopy as GG24-4156.

(GG244157) Monitoring Performance in Router Networks
This document describes how to monitor performance in router networks. The first five chapters provide an overview of performance management, describe performance aspects of special importance to router networks, show which data can be obtained and which data is not usually available, define key indicators that are more meaningful to network designers or operators than the "raw data" obtained from managed systems, and describe how to collect and use the data needed for a specific network environment. The final two chapters describe sample implementations that use NetView/6000 as a data collection engine and NetView/390 as a manager of managers (MoM).

This document is written for network designers, network administrators and system programmers. It assumes some knowledge of router technology and router network management.

This redbook is 238 pages. It was published in hardcopy as GG24-4157.

(GG244163) Managing DEC from NetView using Six2View
This document describes the integration and management of DEC environments from NetView using the Six2View family of products developed and marketed by Phoenix Network Technologies, Inc. (PNT).

This document will enable technical support and experienced professionals to gain an understanding of some of the benefits that can be gained by integrating different vendors' management environments through Six2View. The Six2View family of products is based on a client/server architecture that allows implementation of SNA management services on a non-SNA platform. Multiple configurations of clients and servers are possible to meet the varying needs of different network and system configurations.

The primary focus of this document will be to describe how Six2View can be used to centralize the management of DEC environments from NetView. An introduction to DEC networks and

DEC's POLYCENTER product is also included for those readers unfamiliar with these environments and products.

This redbook is 197 pages. It was published in hardcopy as GG24-4163.

(GG244167) Selected Examples of Distributed Application Processing Using MQS
This document provides experiences of using early versions of products which implement use of the Message Queue Interface (MQI). Such products, from an IBM perspective, are part of the MQSeries of products. These products involve messaging using the MQI on a number of IBM and non-IBM platforms. These products are developed in association between IBM development and NYNEX/SSI Corporation, New York. Product names include (but are not restricted to) MQM MVS/ESA, MQM 400, and EzBridge Transact for various platforms including AIX, DEC, VSE, S/88 and Stratus, Tandem, OS/2 and OS/400.

Although MQSeries involves many platforms, this project was primarily limited to messaging involving the MQI as seen from the point of view of an MVS-based system. Early examples of messaging using the MQI were tested during this project involving use of CICS, IMS and TSO/batch subsystems.

The activities involved in this project used early code and readers of this document are cautioned to take this fact into consideration, especially with regards to installation, operating and management comments which are used within this document; these comments are provided as a reference point for this project's convenience -- the reader should always rely upon IBM and NYNEX/SSI development division publications, which are part of official, generally available products.

This document is intended for personnel who need information related to the marketing and acceptance of messaging concepts for communications with MVS-based subsystems and subsystems which are to communicate using the MQI with MVS-based subsystems. A general knowledge of overall IBM and customer computing systems is assumed.

The primary purpose of this document is to present early experiences of using products which involve use of the MQI within the bounds of this project.

This redbook is 251 pages. It was published in hardcopy as GG24-4167.

(GG244169) IBM Connectivity Guide
This document was written for customers, field system engineers, and sales representatives working on projects involving connectivity either between IBM systems or IBM systems and equipment manufactured by other equipment manufacturers (OEMs). It contains matrices and listings that document the compatibility and functions of various IBM communications-related software and hardware products. This document does not replace standard IBM publications but should be used in conjunction with them.

This document has not been subjected to any formal review. The compatibilities of the combinations are stated to the best of our knowledge. It is the responsibility of IBM system engineers and marketing representatives to thoroughly investigate the compatibility of IBM products using announcement letters, the sales manual, HONE tools, and other sources for each specific situation.

This redbook is 109 pages. It was published in hardcopy as GG24-4169.

(GG244170) Multiprotocol Transport Networking Tutorial and Product Experiences
This publication is intended to help customers, IBM networking specialist and representatives working in a mixed-protocol networking environment to gain an understanding of the Multiprotocol Transport Networking (MPTN) architecture which IBM has developed. This publication is structured to provide readers with easy access to an overview of the architecture as well as providing more detailed in-depth technical information. The AnyNet product family with its first deliverables, AnyNet/MVS and AnyNet/2, is also discussed in the context of functionality provided and conformance to the MPTN architecture.

This redbook is 138 pages. It was published in hardcopy as GG24-4170.

(EZ305200) 3174 APPN Configuration Support C-3
This document describes the enhancements to 3174 Configuration Support-C Advanced Peer-to-Peer Networking (APPN) feature since Release 2. The focus is implementing the 3174 Establishment Controller Configuration Support-C Release 3, 4 and 5 Licensed Internal Code (LIC) in APPN network scenarios involving APPN VTAM, Communications Manager/2, AIX SNA Services Version 2.1, AS/400 and PC Support/400. Scenarios are used to emphasize the 3174 APPN support over, LAN (token-ring and Ethernet), SDLC, channel, Peer Communications (LAN over coax), X.25 and Frame Relay.

This document is intended for IBM and customer system engineers, system planners, system programmers and network administrators who need to know how to customize the 3174 for APPN and Peer Communication functions and relate the customization responses to the various IBM APPN and APPC products. A working knowledge of SNA VTAM communications and APPN is assumed.

This redbook is 426 pages. It was published in hardcopy as GG24-4171.

(GG244172) Using the 3174 in TCP/IP Networks
The 3174 Establishment Controller is a very important component in multi-protocol networks involving subarea SNA, Advanced Peer-to-Peer Networking (APPN), Peer Communication, Token-Ring and Ethernet LANs, X.25, Integrated Services Digital Network (ISDN), asynchronous communication, frame relay, and Transmission Control Protocol/Internet Protocol (TCP/IP).

This document focuses on the roles of the 3174 in TCP/IP networks. It includes functions introduced by the 3174 TCP/IP TELNET RPQ 8Q0935, enhancements such as TN3270, TCP/IP host printer, and SNMP MIB-II support offered by 3174 TCP/IP Enhancements RPQ 8Q1041 and the recently available IP Forwarding RPQ 8Q1289.

This document is intended to help customers and systems engineers understand the functionality provided and how to customize the 3174 for participation in a TCP/IP network. It is organized to help the reader understand the basics of the TCP/IP Architecture in general and the 3174 implementation specifically. The scenarios include sample configuration files and panels for the 3174

and other TCP/IP hosts in the network. The reader is assumed to have a basic knowledge of TCP/IP as implemented by the other products used in the scenarios.

This redbook is 373 pages. It was published in hardcopy as GG24-4172.

(GG244173) Personal Communications/3270 V3.1 Implementation Guide
This publication is a guide to installing and configuring IBM Personal Communications/3270 Version 3.1, exploring its flexibility regarding modes of operation and connectivity choices. In this sense, all functionality is covered, not only the new PC/3270 3.1 features.

The customization for Entry Level DOS, Full Function DOS and Windows modes of operation is covered in detail for each applicable connectivity scenario, that is, coaxial (CUT, DFT and 3174 Peer Communication), local area networks (token-ring and Ethernet), SDLC, X.25, asynchronous and others. Definition for related products, such as IBM ACF/NCP, ACF/VTAM, 3174, LAN Support Program, OS/2, etc., are also provided.

The new connectivity enhancements of IBM Personal Communications/3270 Version 3.1 are also covered, such as the support for IPX/SPX NetWare for SAA, TCP/IP, credit card adapters (PCMCIA) and improvements in the asynchronous and SDLC areas. Other usability enhancements are also discussed.

This document is intended for IBM and customer personnel required to install and configure IBM Personal Communications/3270 Version 3.1. It should be used as supplementary material to the product documentation. A working knowledge of DOS is assumed.

This redbook is 554 pages. It was published in hardcopy as GG24-4173.

(GG244181) Centralized Management of LNM and NetWare Networks Using NetView MultiSystem Manager MVS/ESA
This document describes how to centrally manage LAN environments using IBM NetView MultiSystem Manager. The managed resources include LAN adapters, bridges, hubs, segments, NetWare file servers and requesters.

This document is intended for people who plan to install, customize, and operate MultiSystem Manager. Some knowledge of NetView GMF is assumed as well as some LNM and/or Novell NetWare skill.

This redbook is 250 pages. It was published in hardcopy as GG24-4181.

(GG244183) CM/2 Concepts, Scenarios and PD Examples
This document describes a few typical communications scenarios using the communications facilities provided by Communications Manager/2. It provides illustrated and annotated configuration examples, detailed information on selected configuration parameters, basic concepts of APPC and APPN and some problem determination examples using interpreted traces.

This document was written for any user who already has a basic knowledge of how to configure CM/2 in typical communications scenarios, but who wishes to understand more of the details behind some of the configuration parameters, learn some basic concepts for APPC and LU 6.2 configuration in CM/2, and acquire basic skills in problem determination to be able to use the CM/2 trace facility and interpret traces. Some base knowledge of data communications is assumed.

This redbook is 455 pages. It was published in hardcopy as GG24-4183.

(GG244186) NetView V2R4 New Functions
This document describes base function enhancements for NetView V2R4. It provides detailed information with regard to the functions which were put into the hardware monitor, session monitor, command facility, GMFHS, and the status monitor for this release of NetView.

This document was written for system programmers, network analysts, and network operators. Some knowledge of installation and operation of NetView V2.3 is required.

This redbook is 149 pages. It was published in hardcopy as GG24-4186.

(GG244189) Guided Tour of SNA Server/6000 V2.1
This document describes many of the new functions in SNA Server/6000 Version 2 Release 1. It provides complete working examples and test cases for configuring and testing of these new functions. In some examples a RISC System/6000 running SNA Services/6000 Version 1 Release 2 is used in an APPN network. Full APPN support, gateway features, LU 6.2, LU 2, LU 0 support and the quick configuration features may be explored using the examples provided. The new problem diagnostics tools that are provided with SNA Server/6000 V2.1 are described as well.

This document provides a starting point for configuring and testing many of the new functions in SNA Server/6000 V2.1. Some knowledge of AIX Operating System Version 3, System Management Interface Tool (SMIT) and System Network Architecture (SNA) is assumed.

This redbook is 214 pages. It was published in hardcopy as GG24-4189.

(GG244203) NetView V2R4 APPNTAM Feature Experiences
This document describes the NetView Version 2 Release 4 APPN Topology and Accounting Management (APPNTAM) feature. It includes an overview of the APPNTAM feature and the APPNTAM topology data model, and our experiences with the planning, installation and customization of the APPNTAM feature. The document demonstrates the operations of the APPNTAM feature using a real APPN network. It also contains some directions and sample programs to implement automated recovery of APPN resources.

This document was written for system engineers, system planners, system programmers, and network administrators who need to know more about the APPNTAM feature. Some knowledge of APPN, NetView and RODM is assumed.

This redbook is 233 pages. It was published in hardcopy as GG24-4203.

(GG244220) Applied Use of NetView Network Planner/2
This document describes NetView Network Planner/2 (NNP/2). It provides an overview of the product and includes a description of the data items that are needed to implement a working application in a customer's installation. The data that is provided by other Configuration Management applications such as LAN Network Manager (LNM) and LAN NetView Management Utilities (LMU) is described. It also provides usage scenarios in a typical customer environment.

This document is written for network planners, network and systems administrators, and IBM Systems Engineers.

Some knowledge of NetView, VTAM, NetView Resource Object Data Manager (RODM), and NetView Graphic Monitor Facility (NGMF) is assumed.

This redbook is 300 pages. It was published in hardcopy as GG24-4220.

(GG244223) Introduction to Performance in Router Networks
This document discusses the performance characteristics of routers in general. It addresses the problems of understanding router performance and positioning of routers in both SNA and non-SNA networks by defining the terminology and evaluating the real network performance characteristics of internetworks.

This document was written by a team of computer scientists and engineers within the IBM Network Routing Systems Performance department. Each chapter was written by an expert in the field. This document is intended for planners, marketers, support personnel and other interested individuals with a need to know about the performance of routers.

This redbook is 66 pages. It was published in hardcopy as GG24-4223.

(G2442251) NETDA/2 Design Tool Guide
This document describes Network Design and Analysis/2 V1R2 (NETDA/2), an OS/2-based tool for SNA subarea and APPN topology design and evaluation, which also generates PATH and COS tables and provides assistance to those implementing networks with frame relay 3745 connections.

It is intended for network designers, planners, and system programmers who are not familiar with NETDA/2 or use it infrequently. It provides an illustrated introduction to the functions of NETDA/2 for those who do not already have the product and will be a useful supplement to the NETDA/2 User's Guide for those who do.

An SNA background is assumed, but a thorough knowledge of APPN, VTAM V4, or OS/2 is not necessary.

This redbook is 200 pages. It was published in hardcopy as GG24-4225.

(G2442261) Enterprise Integrated Services Digital Network Exchange
This document describes the Integrated Services Digital Network Exchange (ISDNX) Module of the IBM 973X product line, also known as the Integrated Digital Network Exchange (IDNX) manufactured by Network Equipment Technologies, Inc. (NET). It is intended to give network managers, system engineers, and networking specialists an overview of ISDN and in particular the capabilities of the ISDNX.

The reader will be guided through the process of:

1. Understanding the basic principles of ISDN
2. Understanding the procedures for installing and configuring the card

Some knowledge of IDNX network terminology is assumed.

This redbook is 162 pages. It was published in hardcopy as GG24-4226.

(GG244246) NetView DM/2 Cookbook
This document describes how to customize and use the new release of NetView Distribution Manager/6000 in a host-connected as well as a stand-alone, non-host environment. It covers a range of activities, in scenario form, including how to prepare change files and how to write your own change management scripts.

The book is written mainly in "cookbook" style, telling you step by step *exactly* what to do. It also gives a useful overview of the main concepts and architectures involved (SNA/DS, SNA/MS and SNA/FS, for example), and detailed instructions on configuring supporting program products, such as SNA Server/6000 and SNA Services/6000.

The book is aimed at a wide, technical audience, from the AIX specialist inexperienced in NetView Distribution Management products to the change management expert encountering AIX for the first time.

To get the most out of this book, you will need a basic level of AIX user skills, that being able to log on, invoke commands, start AIXwindows, and use an editor. A similar, basic level of TSO skill is required if you plan to use NetView DM/MVS. For some of the subject areas dealt with in the appendixes, you will also need an understanding of AIX shell script programming.

This redbook is 445 pages. It was published in hardcopy as GG24-4246.

(GG244247) Integration of AIX SNA Manager/6000 into the NetView/6000 Family of Products
This document describes the AIX SNA Manager/6000 network management product. It provides examples and assistance for the user in product setup, configuration and tuning.

This document was written for the use of technical professionals, and others responsible for the product installation of SNA Manager/6000 in SNA and non-SNA environments. Some knowledge of the AIX V3.2 Operating System, AIX SystemView NetView/6000, NetView on MVS and other products mentioned in the introductory text of this document is assumed.

This redbook is 119 pages. It was published in hardcopy as GG24-4247.

(GG244250) VTAM V4R2 Early User Experiences
This document describes experiences gained in implementing VTAM for MVS/ESA Version 4 Release 2. Its purpose is to assist others in implementing the new functions in this product, by providing tested examples and definitions which have actually worked in a VTAM V4R2 environment.

Most of the new functions in VTAM V4R2 enhance the APPN support first implemented in V4R1, and the bulk of this document is devoted to describing these improvements. Several other important features are described and the remainder are summarized, but were not tested by us.

This document is intended for SNA network systems programmers and IBM technical support personnel, who plan to implement the functions in this release of VTAM. It assumes a working knowledge of SNA, APPN and previous releases of VTAM.

This redbook is 224 pages. It was published in hardcopy as GG24-4250.

(GG244252) Multiprotocol Networking with the 3172 Model 3
This document describes the IBM 3172 LAN Interconnect Controller. It provides configuration and planning assistance for the use of the 3172 as a System/390 channel-attached host gateway for Local Area Network workstations that use the System Network Architecture (SNA) and Transport Control Protocol/Internet Protocol (TCP/IP) communication protocols. It is intended to illustrate some of the common implementation scenarios and related issues.

This document was written for customers, systems engineers, network professionals and technical support personnel responsible for the planning, installation, and customization of Host-to-LAN connections.

To obtain maximum benefit from the use of this document the reader should have experience with and a solid understanding of SNA and/or TCP/IP, network topologies and common data communications terminology. It is helpful to have fundamental knowledge of OS/2, MVS and VM.

This redbook is 494 pages. It was published in hardcopy as GG24-4252.

(GG244291) Diagnosing LANs with RMONitor/6000
This document demonstrates the implementation of IBM RMONitor for AIX and IBM RMONitor Agent for OS/2 for diagnosing Ethernet and token-ring LAN problems. It includes an overview of RMON concepts, descriptions of the various RMON statistics for Ethernet and token-ring LAN environments, and our experiences with the planning, installation and customization of RMONitor for AIX and RMONitor Agent for OS/2. It also contains some directions and sample shell scripts for report generation.

This book is for systems engineers, system planners, and network administrators who need to know more about using RMONitor for AIX and RMONitor Agent for OS/2 in diagnosing Ethernet and token-ring LAN problems.

Some knowledge of IBM RISC System/6000 and AIX/6000, AIX NetView/6000, TCP/IP, SNMP, KORN Shell, Ethernet, token-ring LANs, and IBM Personal System/2 and Operating System/2 is assumed.

This redbook is 180 pages. It was published in hardcopy as GG24-4291.

(GG244292) RODMTool/2: Advanced Use of NetView Graphic Monitor Facility
This document describes how to perform RODM operations such as adding views and linking objects from a NetView GMF (NGMF) workstation with the RODMTool/2 (RT/2) code installed. RT/2 enables a user without expert skills in RODM data models and ASN.1 syntax to perform these functions. One of the scenarios described includes a user selecting three IP routers in an NGMF view and then clicking on the option - link as physical peers - from the NGMF Commands pull-down menu.

Other topics related to NGMF are also provided, such as the use of command exits, changing background color from black to white, adding background pictures, changing the default Display Label settings and instructions on how to set up NGMF client workstations.

This document was written for people who work with RODM and/or NGMF. Some knowledge of NetView GMF and RODM is assumed.

This redbook is 228 pages. It was published in hardcopy as GG24-4292.

(GG244294) A Hitchhiker's Guide to AIX OSI Services/6000
This publication describes the features of AIX OSI Services/6000 Version 1 Release 1.0. It provides guidelines for the implementation of AIX OSI Services/6000 in an OSI network environment. The functions of the AIX OSI Services/6000 features, the installation of the features, the customization and operation of the features are discussed. This publication contains many examples of how to set up an OSI environment for XTI, X.400, EDI or FTAM applications using AIX OSI Services/6000.

This document is intended for persons who need to plan and implement the AIX OSI Services/6000 product. A basic knowledge of the AIX operating system and OSI standards is assumed.

This redbook is 364 pages. It was published in hardcopy as GG24-4294.

(GG244307) IBM 2220 Nways BroadBand Switch: Concepts and Products
This document describes IBM's solution for high-bandwidth wide-area transport: the new IBM 2220 Nways BroadBand Switch family of networking products, also called the Nways Switch family.

The Nways Switch is a fast-packet and ATM-cell switch family, based on IBM's state-of-the-art BroadBand Network Services (BBNS) architecture.

The document describes how the Nways Switch and BBNS meet customer requirements for a bandwidth-efficient, integrated, high-speed, multi-services network.

It is written for IBM customers, system engineers, network designers and consultants. Some knowledge of networking concepts and terminology is assumed.

This redbook is 170 pages. It was published in hardcopy as GG24-4307.

(GG244323) Installing Information/Management V6.1 for Client/Server
This document describes how to install Information/Management V6.1 base code in a client/server environment.

This document should be used by base software installers and Information/Management specialists involved with process re-engineering, moving towards a distributed change and problem management system that exploits the advantages of the programmable workstation or the CICS transaction processing.

Detailed MVS/APPC, TCP/IP and CICS/ESA customization information help the specialist understand how to integrate all components in this heterogeneous new environment.

It provides detailed information about availability enhancements in this release, and describes housekeeping techniques that are useful for the Information/Management specialist.

This redbook is 120 pages. It was published in hardcopy as GG24-4323.

(GG244324) Boosting Your Information/Management V6.1 Performance
This document is part of a series of three Information/Management redbooks. The other two are *Installing Information/Management V6R1 for Client/Server*, GG24-4323, and *Jumping out of the Box: New Interfaces and Features of Information/Management V6R1*, GG24-4325. This book examines performance issues for the Information/Management product: how to optimize performance and avoid performance bottlenecks.

This document was written for Information/Management specialists, administrators and system programmers. It is expected that the reader is not only familiar with the Information/Management product, but also has a good knowledge of MVS/ESA and VSAM.

This redbook is 59 pages. It was published in hardcopy as GG24-4324.

(GG244325) Jumping out of the Box: New Interfaces and Features of Information/Management V6.1
This document describes how to *jump out of the box*, that is, advance from a monolithic change and problem management to an open, Client/Server oriented system by exploiting the new functions and user interfaces available with Information/Management V6.1.

This document should be used by workstation, CICS and Information/Management specialists involved with process re-engineering, moving towards a distributed change and problem management system that exploits the advantages of the programmable workstation or the CICS transaction processing.

Detailed ISPF, APPC, CM/2, TCP/IP and MS/WINDOWS customization information help the specialist understand how to integrate all components in this heterogeneous new environment.

This redbook is 160 pages. It was published in hardcopy as GG24-4325.

(GG244326) Examples of Using MQSeries on S/390, RISC/6000, AS/400 and PS/2 Platforms
This document provides early experiences of using products which implement use of the Message Queue Interface (MQI). Such products, from an IBM perspective, are part of the MQSeries of products. These products involve messaging using the MQI on a number of IBM and non-IBM platforms. These products are developed in association between IBM development and SSI/APERTUS Corporation. Product names include (but are not restricted to) MQM MVS/ESA, MQM/400, and ezBRIDGE Transact for various platforms including AIX, DEC, VSE, S/88 and Stratus, Tandem, OS/2 and OS/400.

Although MQSeries involves many platforms, this project was primarily limited to messaging involving the MQI as seen from the point of view of AIX V3, OS/400, OS/2 and MVS-based systems. Examples of messaging using the MQI were tested during this project involving use of applications running under AIX V3, OS/400 and OS/2 communicating with these platforms as well as involving use of the CICS subsystem on MVS-based systems.

The activities involved in this project used generally available code. Readers of this document are cautioned to take consideration that comments which are used within this document are provided

as a reference point for this project's convenience -- the reader should always rely upon IBM and SSI/APERTUS development division publications, which are part of official, generally available products.

This document is intended for personnel who need information related to the marketing and acceptance of messaging concepts for communications with MVS-based subsystems and subsystems which are to communicate using the MQI with MVS-based subsystems. A general knowledge of overall IBM and customer computing systems is assumed.

The primary purpose of this document is to present early experiences of using products which involve use of the MQI within the bounds of this project.

This redbook is 417 pages. It was published in hardcopy as GG24-4326.

(GG244327) Examples of Using NetView for AIX
This document provides an overview and examples of using NetView for AIX V3R1. It assumes the reader has a general knowledge of NetView for AIX V2, as well as a good understanding of AIX system and network management.

This document is only a summary of some initial uses of NetView for AIX V3R1 and is not intended to imply that all examples provided here are the extent of possibilities of involving NetView for AIX in an enterprise's network and systems management activities. The reader of this document should have access to development division documentation regarding NetView for AIX and the family of products, particularly as relates to Systems Monitor for AIX, AIX LMU/6000, LNM for AIX, and AIX SNA Manager/6000.

This document is intended for personnel who need information related to the marketing and acceptance of network management products in an AIX V3 environment. A general knowledge of overall IBM and customer computing systems and C language programming is assumed.

This redbook is 300 pages. It was published in hardcopy as GG24-4327.

(GG244330) Asynchronous Transfer Mode (Broadband ISDN) Technical Overview
This publication presents a broad overview on the emerging technology of very high-speed communications. It is written at the "technical conceptual" level with some areas of greater detail. It was written for computer professionals who have some understanding of communications (but who do not necessarily consider themselves experts).

The primary topics of the book are:

- Asynchronous Transfer Mode (ATM)
- High-Speed Cell Switching
- Broadband ISDN

This redbook is 213 pages. It was published in hardcopy as GG24-4330.

(GG244332) AIX NetView/6000 LAN Integration
This document describes the integration of AIX NetView/6000 LAN-related products. The perspective of this book is to use AIX NetView/6000 as the graphical user interface and focal point for problem determination and problem resolution. It provides systems programmers and network programmers with background on how to set up their network management environment.

This document was written for users who will be implementing LAN network management in an AIX environment. Some knowledge of LANs, AIX and AIX NetView/6000 is assumed.

This redbook is 238 pages. It was published in hardcopy as GG24-4332.

(GG244334) RouteXpander/2 Introduction and Configuration Examples
This document facilitates installation and configuration of IBM RouteXpander/2. It also provides information and configuration examples about interoperability with the IBM 6611 Network Processor and ACF/NCP V6.2 and V7.1.

This document was written for network managers, network designers and system engineers who need to implement IBM RouteXpander/2 to perform routing functions for IP, IPX and SNA and who may also incorporate the IBM 6611 Network Processor and IBM 3745 Communication Con-

trollers using ACF/NCP. It also describes how RouteXpander/2 can be used as a source route or transparent bridge.

An introduction to Frame Relay is provided but a good knowledge of networking architectures such as SNA, IPX, IP and bridging standards is assumed.

This redbook is 200 pages. It was published in hardcopy as GG24-4334.

(GG244337) Multiprotocol Systems Manager (MSM) for IP
This document describes how to centrally manage IP environments using IBM NetView MultiSystem Manager (MSM).

It shows how to set up MSM and NetView for AIX to make management as simple and effective as possible. It includes many customized samples and demonstrates some uses of the optional MSM tools.

The document shows how to create your own customized NGMF views and exception views and includes automation samples which show how to keep these views current.

The managed resources include IP hosts, routers, bridges and hubs.

This document is intended for people who plan to install, customize, and operate MSM Release 2. Some knowledge of NetView GMF is assumed as well as some NetView for AIX and TCP/IP skills.

This redbook is 276 pages. It was published in hardcopy as GG24-4337.

(GG244338) Introduction to Networking Technologies
There are many different computing and networking technologies -- some available today, some just now emerging, some well-proven, some quite experimental. Understanding the computing dilemma more completely involves recognizing technologies; especially since a single technology by itself seldom suffices, and instead, multiple technologies are usually necessary.

This document describes a sampling of technologies of various types, by using a tutorial approach. It compares the technologies available in the three major technology areas: application support, transport networks, and subnetworking. In addition, the applicability of these technologies within a particular situation is illustrated using a set of typical customer situations.

This document can be used by consultants and system designers to better understand, from a business and technical perspective, the options available to solve customers' networking problems.

This redbook is 202 pages. It was published in hardcopy as GG24-4338.

(GG244349) Implementing EDI Using AIX OSI Services/6000 and ISOTRADE
This redbook provides EDI implementation information for an EDI-X.400 solution using AIX OSI Services/6000, ISOTRADE for OSI/6000, and STX EDI translator product or related EDI translators that support FPI (File Programmatic Interface) for ISOTRADE.

It provides guidelines for the implementation of EDI over P35 (Recommendation X.435) or P2 using an X.400 network. Advantages of using value-added network (VAN) services, such as Advantis X.400 Services, are discussed. The functions, installation, customization and operation of the related products are explained.

This document is intended for persons who need to plan and implement a complete EDI solution using an X.400 network. This document also will support system engineers in advising customers about EDI and X.400 MHS products and solutions. A basic knowledge of EDI, the X.400 MHS standard, and the AIX operating system is assumed.

This redbook is 210 pages. It was published in hardcopy as GG24-4349.

(GG244359) Microscopic View of IBM IDNX 9733
This document describes the IBM 9733 Integrated Digital Network Exchange (IDNX) Micro 20. It describes Micro 20 hardware and architecture, and provides procedures for planning, installing, configuring, troubleshooting, and diagnostics. Scenarios are included that show how the Micro 20 can support various applications.

This document is written for IBM networking specialists, system engineers, communications managers and project managers. It is also intended for anyone who configures, manages and controls an IBM 973x IDNX network.

A working knowledge of integrated voice and data communications, basic trunking and transmission concepts and a general understanding of IDNX broadband networking is assumed.

This redbook is 85 pages. It was published in hardcopy as GG24-4359.

(GG244367) The IBM 6611 Network Processing as an SNA/APPN Router
This document describes the SNA/APPN routing functions provided by the IBM Multiprotocol Network Program (5648-016) Version 1 Release 2 and the IBM 6611 Network Processor. It provides an introduction to the concepts of APPN as well as description of the Data Link Switching (DLSw), APPN network node support, the IP priority and transmission group capability provided by the IBM 6611. Configuration examples of interoperability with ACF/VTAM, AS/400, Communications Manager/2 and RouteXpander/2 are also provided.

This document is intended for network managers, network architects, system programmers and system engineers who need to design and implement SNA/APPN networks using the IBM 6611.

Some knowledge of IBM Multiprotocol Network Program Version 1 Release 1 is assumed.

This redbook is 287 pages. It was published in hardcopy as GG24-4367.

(EZ305300) 8260 Multiprotocol and Intelligent Hub Overview
This document describes the IBM 8260 Multiprotocol Intelligent Hub. It provides information about the 8260 architecture as well as how to install, configure and manage the 8260 Ethernet and token-ring media modules.

This document was written for customers, systems engineers, network professionals and technical support personnel.

Some knowledge of local area networks, token-ring and Ethernet architecture is assumed.

This redbook is 327 pages. It was published in hardcopy as GG24-4370.

(GG244374) TCP/IP for DOS Windows Interoperability and Coexistence
This document is unique in its detailed coverage of IBM TCP/IP V2.1.1 for DOS, the latest version of IBM TCP/IP for DOS. It focuses on how TCP/IP V2.1.1 for DOS can be used in both DOS and Windows environments with various operating system platforms, communications media and protocol stacks.

This document was written for system engineers and customers who will evaluate the product possibilities and who will install and use the product. The reader is assumed to have a basic knowledge of TCP/IP.

This redbook is 285 pages. It was published in hardcopy as GG24-4374.

(EZ306500) 3174 Networking Server in Frame Relay on Multiprotocol Networks
The 3174 Establishment Controller is an important component, when acting as a networking server, in high-speed WANs.

This document describes the 3174 Establishment Controller Configuration Support-C Release 5 and 6 Licensed Internal Code (LIC) Frame Relay Communications Feature customization. It serves as a guide for understanding and implementing 3174 frame relay support in various scenarios.

The focus will be on the 3174 customization in frame relay networks when using the following functions and protocols:

- Classic SNA over frame relay
- APPN over frame relay
- TCP/IP over frame relay
- Remote bridging via frame relay

This publication is intended for IBM and customer system engineers, system planners, system programmers and network administrators who need to know how to customize the 3174 WAN communications functions, with an emphasis on 3174 frame relay and remote bridging communications functions. It relates the customization responses to the various IBM products that exist in the same frame relay network with the 3174: 3745/NCP V7, 6611/MPNP, RouteXpander/2, 3172 and AS/400.

This redbook is 496 pages. It was published in hardcopy as GG24-4376.

(GG244382) AS/400 MVS/VM Bridge Configuration and Operations
This document describes the implementation of the AS/400 VM/MVS Bridge, including examples of configuration and operations. It provides a number of scenarios which show its distribution services and the sending or receiving of files, messages, input streams, and spooled files in the following NJE networks:

- AS/400 and MVS/JES2
- AS/400 and VM/RSCS

This document is intended for use by IBM customers, IBM systems engineers, system planners, and network administrators who are involved in designing and installing the AS/400 VM/MVS Bridge.

The reader is assumed to have a basic knowledge of AS/400, NJE concepts, and SNA VTAM/NCP communications.

This redbook is 168 pages. It was published in hardcopy as GG24-4382.

(EZ305400) Communications Manager/2 V1.11 SNA Phone Connect

This document describes the new SNA Phone Connect feature of IBM Communications Manager/2 Version 1.11. It is meant as a guide and tutorial to this new feature.

This document is intended for persons who already have some familiarity with previous releases of Communications Manager and who wish to quickly get familiar with this new feature of Version 1.11.

This redbook is 285 pages. It was published in hardcopy as GG24-4385.

(EZ306600) DFSMS/MVS Version 1 Release 3.0 Presentation Guide

This document describes the enhancements to DFSMS/MVS Version 1 Release 3.0, Program Number 5695-DF1. This document provides information about new and changed facilities.

This document is written for IBM customer technical professional personnel. A knowledge of MVS/ESA, DFSMS/MVS, open and distributed systems, and tape management is assumed.

This redbook is 378 pages. It was published in hardcopy as GG24-4391.

(EZ302400) SNA over TCP/IP

This document describes the new implementations of the Multiprotocol Transport Networking (MPTN) architecture on the MVS, OS/2 and and AS/400 platforms. It includes SNA over TCP/IP (MVS/ESA and OS/2) and AnyNet/400 APPC over TCP/IP. They are shipped with the AnyNet/MVS feature of VTAM Version 4 Release 2 for MVS/ESA and as AnyNet/2 OS/2 program products except AnyNet/400 APPC over TCP/IP. AnyNet/400 APPC over TCP/IP is shipped with OS/400 Version 3 Release 1.

This document provides working configurations, definitions and test results. It guides the readers in the planning, methodology, installation and implementation of their first MPTN network.

It is intended for systems engineers, network managers, application designers and technical support personnel who are interested in the implementations of the IBM MPTN architecture.

A basic working knowledge of SNA, TCP/IP and MPTN is assumed. However, this document also provides a brief introduction to these topics.

This redbook is 236 pages. It was published in hardcopy as GG24-4395.

(GG244396) Sockets over SNA
This document describes the new implementations of the Multiprotocol Transport Networking (MPTN) Architecture on the MVS and OS/2 platforms. It includes Sockets over SNA (MVS/ESA and OS/2), Sockets over SNA Gateway (OS/2), and NetBIOS over SNA (OS/2). They are shipped in the AnyNet/MVS feature of VTAM Version 4 Release 2 for MVS/ESA, and as AnyNet/2 OS/2 program products except NetBIOS over SNA (OS/2).

This document provides working configurations, definitions and test results. It guides the readers in the planning, methodology, installation and implementation of their first MPTN network.

It is intended for systems engineers, network managers, application designers and technical support personnel who are interested in the implementations of the IBM MPTN architecture.

A basic working knowledge of SNA, TCP/IP and MPTN is assumed. However, this document also provides a brief introduction to these topics.

This redbook is 322 pages. It was published in hardcopy as GG24-4396.

(GG244397) Making the World Manageable with Applications from the NetView Association
The *NetView Association from IBM and Digital* exists to encourage vendors of management applications to use the NetView family of UNIX-based network management platforms.

This document describes a project in which a selection of Association applications were installed and customized. It discusses the issues of integrating multiple systems and network management

applications on a single workstation. The document includes scenarios to demonstrate how application integration of this kind can provide benefits of improved manageability and reduced cost.

This document was written for network administrators and system programmers planning to implement an integrated management scheme. Some knowledge of the principles of SNMP management and of the UNIX operating systems is assumed.

This redbook is 159 pages. It was published in hardcopy as GG24-4397.

(GG244398) Systems Monitor (MLM) (SNMP): Anatomy of a Smart Agent
This document describes the use of Systems Monitor for AIX Version 2 and related IBM Systems Monitor products. It describes ways in which Systems Monitor can help in providing operational information and control in a distributed systems environment.

The new functions provided by Systems Monitor for AIX Version 2 are described in detail, including the ability to distribute network polling away from a central NetView for AIX machine and improved monitoring of distributed AIX systems.

This document is intended for use by people who are planning or implementing distributed systems and network management. Some knowledge of the Simple Network Management Protocol (SNMP) is assumed.

This redbook is 254 pages. It was published in hardcopy as GG24-4398.

(GG244411) Software Change Management Using NetView DM/MVS with SPMF R2 and MSS/400
This document describes the functionality that the new releases of NetView Distribution Manager/MVS and Software Profile Management Facility will provide.

The installation and customization of SystemView Managed System Services/400 is described with some scenarios covering software distribution using SystemView Managed System Services/400 with NetView Distribution Manager/MVS.

For large NetView DM/MVS installations this document includes a description of a multiple TCP environment that can help address some operational aspects of trying to manage large distribution networks. A scenario is also shown using NetView DM/MVS and SPMF R2.

This document is written for technical personnel including new users of the SystemView Managed System Services/400, experienced users of NVDM/MVS who need to know how to set up NVDM/MVS with multiple TCPs (Transmission Control Programs), and users who want to read about the enhancements of the new releases of NVDM/MVS and SPMF.

This redbook is 244 pages. It was published in hardcopy as GG24-4411.

(GG244412) NetView for OS/2 as an SNMP Manager
This document is unique in its detailed coverage of NetView for OS/2 as an SNMP manager. This new version of the product focuses on SNMP management instead of CMIP management. In addition to managing SNMP-capable devices on the LAN, through the use of proxy agents, and exchanges with other SNMP managers, NetView for OS/2 can help manage the enterprise.

This document was written for systems programmers and LAN administrators, who will be responsible for SNMP management on the Intel platform. Some knowledge of NetView for OS/2 and SNMP is assumed.

This redbook is 302 pages. It was published in hardcopy as GG24-4412.

(EZ305500) Software Distribution Using NetView DM for NetWare
This document is unique in its detailed coverage of NetView Distribution Manager for NetWare. It provides information and insights on how to install and use the product to simplify the process of software distribution in a NetWare-only environment and in a multi protocol environment that includes NetWare.

This document was written for customers who wish to distribute software quickly and easily to their workstations in the above environments and for IBM specialists whose customers have the same requirement. No knowledge of NetWare or software distribution techniques is assumed.

This redbook is 205 pages. It was published in hardcopy as GG24-4416.

(GG244419) NetView DM/2 V2.1 Remote Administrator and New Functions
This redbook describes the remote administrator feature and the new functions of NetView DM/2 Version 2.1. It provides explanations, guidelines and practical hints on how to install and customize this product in different LAN and host scenarios. These scenarios are presented in a cookbook fashion to guide the reader through the various configurations step by step.

This document was written for technical support personnel and workstation specialists or administrators of software installation on workstations in a LAN. Some knowledge of NetView DM/2, Communications Manager/2 and a basic understanding of NetView DM/MVS is expected from the reader.

This redbook is 294 pages. It was published in hardcopy as GG24-4419.

(GG244425) Capacity Planning and Performance Analysis using NetModeler
This document provides the reader with an introduction to the use of IBM Network Performance Modeler (NetModeler) for OS/2 for capacity planning and performance analysis. NetModeler provides a robust modeling environment for networked systems so capacity planning and performance analysis may be performed in an accurate and timely fashion.

The reader is guided through the steps necessary to build a model of a typical information processing enterprise. This model is then used to perform analysis of the system from the perspective of a capacity planner or performance analyst.

This document is written for capacity planners and performance analysts for information processing systems. Some knowledge of capacity planning and performance analysis concepts is assumed. We also assume the reader is familiar with networking concepts.

This redbook is 200 pages. It was published in hardcopy as GG24-4425.

(EZ305600) 2210 Nways Multiprotocol Router Description and Configuration

This document describes the IBM 2210 Nways Multiprotocol Router and its operating software, the Nways Multiprotocol Routing Network Services (Nways MRNS). It provides some sample configuration scenarios, including some interoperability scenarios with the IBM 6611 Network Processor.

This document is intended for network managers, network architects, system programmers and system engineers who need to implement networks which incorporate the IBM 2210.

Some knowledge of networking architectures and protocols is assumed.

This redbook is 614 pages. It was published in hardcopy as GG24-4446.

(EZ306300) Personal Communications Interoperability and Problem Determination

This document is unique and detailed in its coverage of installing the Personal Communications family of products with other products on a single workstation. It provides the reader with hints and tips for proper installation as well as problem determination techniques tools that can be used when things go wrong. Interoperation is explored for:

- IBM and OEM memory managers
- IBM and OEM communications software
- IBM and OEM programming interfaces

This document was written for customers and IBM personnel required to install, maintain, or tune systems that require Personal Communications coexisting with other software and hardware products.

This redbook is 441 pages. It was published in hardcopy as GG24-4457.

(EZ305700) Just in Time for IDNX/2220 Clock Synchronization Planning
This document provides a detailed coverage of 973X IDNX and the IBM 2220 clock synchronization planning. Setting up clock synchronization plans on both platforms is similar.

This document was written for networking marketing and service specialists and customers who are responsible for setting up clock synchronization plans for broadband networks. Some knowledge of the 973X IDNX and the IBM 2220 is assumed.

This redbook is 126 pages. It was published in hardcopy as GG24-4462.

(EZ305800) IBM Frame Relay Guide
This document is unique in its detailed coverage of frame relay. It provides extensive information about frame relay standards and the functions implemented by IBM products. Focus is on the frame relay implementation of the relevant products. Basic knowledge of the products discussed is assumed.

This document was written for network personnel who either support, implement, and design frame relay networks, or are responsible for installing and maintaining equipment using frame relay networking facilities.

This redbook is 311 pages. It was published in hardcopy as GG24-4463.

(EZ305900) IBM 3746-900 and NCP Version 7 Release 2
This document is intended to be a technical reference for IBM system engineers and customer personnel on planning, installation, customization and testing of an IBM 3746 Model 900 and/or NCP Version 7 Release 2. It does not replace standard IBM publications, but should be used in conjunction with them.

This edition applies to the IBM 3745 Communication Controller with microcode at engineering level D39894 and to the IBM 3746-900 expansion unit with microcode at engineering level D22510.

This redbook is 307 pages. It was published in hardcopy as GG24-4464.

(GG244465) Introduction to Wireless Technology
This document introduces the reader to wireless communication technologies and how they are used to implement new LAN connectivity solutions. It is focused on radio and infrared technologies; emerging trends such as spread-spectrum, CDPD and LAN integration are presented.

This document was written for IBM customers, systems specialists, network planners and administrators who are involved with designing, implementing and maintaining networks. A basic knowledge of data communications terminology and familiarity with its concepts is assumed.

This redbook is 80 pages. It was published in hardcopy as GG24-4465.

(GG244469) An Early Look at Application Considerations Involved with MQSeries
This document provides information regarding application considerations when using products which implement use of the Message Queue Interface (MQI). Such products, from an IBM perspective, are part of the MQSeries of products. These products involve messaging using the MQI on a number of IBM and non-IBM platforms. Product names include (but are not restricted to) MQM MVS/ESA, MQM/400, and ezBridge Transact for various platforms including AIX, DEC, VSE, S/88 and Stratus, Tandem, OS/2 and OS/400.

Although "application considerations" is a matter not unique to an MQSeries environment, this document aims at summarizing those application-related matters which came about as this document evolved and, in turn, selects a portion of these matters for additional discussions.

The activities involved in this project used early code for some platforms. Readers of this document are cautioned to take into consideration that comments which are used within this document are provided as a reference point for this project's convenience -- the reader should always rely upon IBM development division publications, which are part of official, generally available products.

This document is intended for personnel who need information related to the marketing and acceptance of messaging concepts for communications in distributed environments supporting use of the MQI. A general knowledge of overall IBM and customer computing systems is assumed.

The primary purpose of this document is to present summary information regarding application-related matters when using the MQI and provide a base for further work in this important topic as MQSeries applications evolve.

This redbook is 222 pages. It was published in hardcopy as GG24-4469.

(GG244470) Open Systems Fundamentals Student Guide
This book is the student guide for the Open Systems Fundamentals course, which provides a vendor-neutral overview of open systems. The course is designed for technical managers and professionals who require a concise explanation of the technical fundamentals of open systems. The course provides an introduction to the open systems organizations, a review of portability and interoperability standards, a review of open systems structures, and a discussion of profiles and benchmarking. This book, which contains an open systems glossary, may also be used as a reference guide.

The course, as designed, could be taught to IBMers and customers as a four-day course. However, parts of the course can be taught separately to allow customization for a particular audience.

This redbook is 680 pages. It was published in hardcopy as GG24-4470.

(GG244485) Multiplatform APPC Configuration Guide
This publication explains how to configure APPC and APPN on a variety of system platforms. It describes the steps needed to configure APPC and APPN, it explicitly states which values in one computer's configuration need to match values in a partner computer's configuration, and clarifies the terminology differences between computers by mapping to a set of standard terms and confining platform-specific terms to the chapter that describes that platform.

This redbook is 185 pages. It was published in hardcopy as GG24-4485.

(EZ306000) NetView DM/6000 Release 1.2 Agents and Advanced Scenarios

This document describes most NetView Distribution Manager/6000 agents that are available on the different platforms and introduces specific features of NetView DM/6000. It provides explanations, guidelines and practical hints on how to customize these products in different LAN and host-based scenarios. These scenarios are presented in a cookbook fashion to guide the reader through the various configurations step by step.

This document was written for technical personnel and workstation specialists as well as administrators of LAN-based software distribution environments. Some knowledge of NetView DM/6000 and AIX as well as a basic understanding of the operating systems, including communication support, on the different platforms is expected from the reader.

This redbook is 387 pages. It was published in hardcopy as GG24-4490.

Bibliography of International Technical Support Organization Redbooks

The following is a list (as of June 22, 1995) of over 950 redbook titles addressing a broad range of IBM and associated product/technology topics. All these ITSO redbook titles are currently available from the nine ITSO centers in the USA and Germany. This list also includes the recently revised GBOF codes, which give a new level of granularity.

All redbooks are generously illustrated, come with related publications bibliographies, and are fully indexed. US customers can order hardcopy redbooks direct by calling 1-800-879-2755. Credit cards are accepted.

Form Number	Title	GBOF Code	Publish Date
GA19-5468-10	AS/400 Systems Handbook		12/31/93
GC41-9877-03	AS/400 National Language Planning Guide		12/31/93
GG24-1562-05	3745 Communication Controller Gde for X10 & X1A Models	5208	06/11/93
GG24-1581-00	IBM DataBase 2 Relational Concepts	6330	07/21/83
GG24-1583-00	IBM DataBase 2 SQL Usage Guide	6330	07/21/83
GG24-1592-00	9370 Connectivity - 1987	6361	12/21/87
GG24-1625-00	DBRC/Data Sharing for the CICS/VS User	6328	03/08/84
GG24-1630-00	SNA Network Interconnection (SNI) Planning & Design	6363	04/11/84
GG24-1633-00	Guide to IMS/VS V1 R3 DEDB Facility	6329	05/24/84
GG24-1635-00	Office Systems Primer	6347	02/10/88
GG24-1652-00	IMS/VS V1 R3 Recovery/Restart	6329	08/23/84
GG24-1663-00	OPC/A User Education Presentation Guide	5204	09/02/87
GG24-1669-00	4700/X.25 Integrated Adapter Support Implementation Gde	6352	01/17/85
GG24-1679-00	SNI Examples and Data Flows	6363	03/19/85
GG24-1683-02	IBM 4381 Dual Processors Installation Guide	5200	04/27/88

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GG24-1684-00	IMS/VS Fast Path Application Design	6329	06/19/85
GG24-1704-01	Installation of VTAM V3 for VM/SP R4	6363	01/15/87
GG24-1710-00	IBM 9370 Systems in SNA Networks	6361	02/10/88
GG24-1725-02	DFHSM Implementation Primer	6309	11/08/91
GG24-1726-00	SM Data & Process Model: a New Approach	5204	10/20/89
GG24-1733-00	SM Process Model for Managing Problems/Changes	5204	10/20/89
GG24-1747-01	IBM 3708 Installation Guide	5208	06/06/88
GG24-1749-00	IMS/VS HDAM to DEDB Conversion	6329	01/15/86
GG24-2499-00	Using the Information Super Highway	6337	05/10/95
GG24-2500-00	DRDA Security	6332	04/11/95
GG24-2501-00	PL/I for OS/2 PL/I for OS/2 Toolkit: Visual PL/i	5206	03/21/95
GG24-2505-00	A Survey of Object-Oriented Technology on MVS/ESA	6321	02/09/95
GG24-2506-00	Magstar and IBM 3590 High Performace Tape Subsystem	6307	06/12/95
GG24-2509-00	IBM RAMAC Array Family	6306	12/19/94
GG24-2512-00	Encina Overview	6342	01/17/95
GG24-2513-00	AIX Version 4.1 Software Problem Debugging and Reportin	6337	12/19/94
GG24-2516-00	Multimedia in OS/2 Warp	5212	02/20/95
GG24-2517-00	OS/2 2.x Family Update, Including SMP	6303	11/16/94
GG24-2520-00	NCP Tuning with NTune	5208	04/05/95
GG24-2521-00	Examples of Selected Configuration and Customization	5209	12/12/94
GG24-2522-00	IBM Multimedia Server, 7728 MediaStreamer Subsystem	2204	02/15/95
GG24-2524-00	OS/2 Multimedia Tools	5212	02/01/95
GG24-2526-00	MVS/ESA OpenEdition DCE: RACF and DCE Security	5200	04/14/95
GG24-2528-00	An Inside Look at IBM Workgroup Hubs and Switches	6367	05/18/95
GG24-2529-00	Examples of Using Software Installer	6322	05/31/95
GG24-2531-00	AS/400 AnyNet Scenarios	5225	04/30/95
GG24-2534-00	CICS Clients Unmasked	6323	05/19/95
GG24-2537-00	A CM/2 APPC/APPN Tutorial	6370	05/15/95
GG24-2538-00	MVS and the IBM PC Server 500 System/390	6334	05/19/95
GG24-2539-00	RACF Version 2 Release 2 Technical Presentation Guide		05/26/95
GG24-2541-00	IBM SystemView for AIX: An Overview		04/29/95

GG24-2543-00	IBM DCE Cross-Platform Guide	6342	04/26/95
GG24-2544-00	International Standards - A Document Imaging Review	6318	03/03/95
GG24-2546-00	Personal Communications for OS/2 and CM/2: Product	6370	05/25/95
GG24-2547-00	Implementation of OpenMail for AIX in a Client/Server	6346	04/29/95
GG24-2550-00	Understanding DCAF 1.3 in a NetBIOS Environment	8606	05/31/95
GG24-2555-00	IBM WorkGroup for OS/2 Connectivity Cookbook	6348	05/03/95
GG24-2559-00	APPN Management	5209	04/11/95
GG24-2571-00	Introducing Client Access/400 for Windows 3.1:	5223	03/28/95
GG24-2576-00	IBM Information Management Solutions Scenarios on Usage	6367	05/23/95
GG24-2577-00	Building a Firewall With the NetSP Secured Network	6385	04/25/95
GG24-2586-00	IBM SystemView for AIX: Sizing Considerations	8603	05/01/95
GG24-3018-02	DisplayWrite Word Processing Family: a Comparison	6347	03/20/90
GG24-3029-00	Plain Man's View of Integration of Voice & Data	6360	02/20/86
GG24-3046-01	OfficeVision/MVS VSAM Design and Tuning Guide	6345	02/19/90
GG24-3061-04	3174 Establishment Controller Implementation Guide	6365	12/01/92
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GG24-4401-00 DFSMS/MVS V1R2.0 Support For OpenEdition MVS 6309 03/04/94
GG24-4402-00 IBM 3495 Tape Library Dataserver Model M10 6307 04/13/94
GG24-4403-00 DFSMS/MVS V1R2.0 Distributed FileManager/MVS 6309 03/04/94
GG24-4404-00 DFSMS/MVS V1 R2.0 Storage Management Enhancements 6307 03/04/94
GG24-4405-00 RACF Version 2 Release 1 Installation and Implementatio 5204 12/14/94
GG24-4406-00 Distributed Key Mangement System Installation and 6352 12/14/94
GG24-4407-00 V4 of ISPF and SCLM An Implementation Guide 5201 09/15/94
GG24-4409-00 Guide to Sharing and Partitioning IBM Tape Library 6367 12/15/94

GG24-4410-00 Information Warehouse Workshop Presentation Guide VolII 6331 12/12/94
GG24-4411-00 Software Change Management Using NetView DM/MVS with SP 6356 01/01/95
GG24-4412-00 NetView for OS/2 as an SNMP Manager 5209 12/12/94
GG24-4413-00 IBM SAA ImagePlus Workfolder Application Facility/400 6319 12/21/94
GG24-4414-00 Enterprise-Wide Client/Server Recovery Management 5204 10/12/94
GG24-4415-00 VisualInfo Systems Management CID Installation 5203 12/01/94
GG24-4416-00 Software Distribution Using NetView DM for NetWare 5210 04/13/95
GG24-4418-00 VM/ESA Version 2 Overview and Technical Guide 2201 12/09/94
GG24-4419-00 NetView DM/2 V2.1 Remote Administrator and New Function 6367 10/31/94
GG24-4420-00 Client Access/400 with NetWare and NetWare for SAA 5223 05/09/95
GG24-4421-00 Getting Started with ADSM/6000 6311 07/31/94
GG24-4422-00 Client Server/400 API Planning Guide 5223 10/12/94
GG24-4424-00 Automating CICS/ESA Operations with CICSPlex SM and 6328 01/01/95
GG24-4425-00 Capacity Planning and Performance Analysis Using NetMod 6371 09/09/94
GG24-4426-00 OS/2 Warp Version 3 and BonusPak "Exploring a New Gener 6303 01/01/95
GG24-4427-00 Easy Access to Host Data with Distributed FileManager 6311 11/28/94
GG24-4428-00 Inside OS/2 LAN Server 4.0 6367 05/30/95
GG24-4429-00 Inside Client Access/400 for Windows 3.1 5223 03/07/95
GG24-4430-00 Understanding Performance Tuning Theory for IBM OS/2 6302 11/06/94
GG24-4431-00 Rightsizing the Database Environment DB2 for MVS to 6376 01/01/95
GG24-4433-00 Elements of Security: AIX 4.1 6338 09/29/94
GG24-4443-00 MVS/ESA SP-JES3 Version 5 Implementation Guide 5201 01/01/95
GG24-4444-00 A Simple Approach to VisualInfo 6320 08/29/94
GG24-4445-00 Planning for Coversion to the DB2 Family: Methodology 6330 12/14/94
GG24-4446-00 IBM 2210 Nways Multiprotocol Router Description and 5208 04/07/95
GG24-4449-00 AnyMail/400 Mail Server Framework Developer Guide 5224 01/18/95
GG24-4451-00 AIX Version 4 Desktop Handbook 6339 12/16/94
GG24-4452-00 IBM ImagePlus VisualInfo Library and Object Servers for 6318 12/31/94
GG24-4453-00 Enhanced Auditing Using the RACF SMF Data Unload Utilit 5201 10/26/94
GG24-4457-00 Personal Communications V4.x Interoperability and 6302 06/22/95
GG24-4459-00 PC DOS 7 Technical Update 02/09/95

GG24-4460-00	Setting Up and Implementing ADSTAR Distributed Storage	5223	04/03/95
GG24-4461-00	Information Warehouse Workshop Presentaion Guide Vol 1	6331	01/01/95
GG24-4462-00	IDNX and IBM 2220 Clock Synchronization Planning	6362	04/07/95
GG24-4463-00	IBM Frame Relay Guide	5208	02/21/95
GG24-4464-00	IBM 3746-900 and NCP Version 7 Release 2	5207	02/10/95
GG24-4465-00	An Introduction to Wireless Technology	5208	01/01/95
GG24-4467-00	Software Manager MVS/ESA - Installation and Use	5204	11/30/94
GG24-4469-00	An Early Look at Application Considerations Involved	6321	01/01/95
GG24-4470-00	Open Systems Fundamentals: Student Guide	5208	05/17/94
GG24-4471-00	Objects on MVS Technical Guide	6321	02/28/95
GG24-4472-00	IBM 4680 Supermarket Application Hints and Tips for	5214	10/31/94
GG24-4473-00	Porting Applications to the OpenEdition MVS Platform	6334	04/24/95
GG24-4475-00	AIX/6000 X.25 LPP Cookbook	6337	01/01/95
GG24-4476-00	DFSORT Release 13 Benchmark Guide	8601	05/10/95
GG24-4479-00	SOMobjects: Managing DSOM	6327	04/11/95
GG24-4480-00	MVS/ESA OpenEdition DCE: Installation and Configuration	6334	01/01/95
GG24-4481-00	MVS/ESA OpenEdition DCE: Application Development Cookbk	6334	12/13/94
GG24-4482-00	MVS/ESA OpenEdition DCE: Application Support Services	6342	11/28/94
GG24-4484-00	AIX Storage Management	6306	11/03/94
GG24-4485-00	Multiplatform APPC Configuration Guide	5208	12/15/94
GG24-4490-00	NetView DM/6000 Scenarios and Agents	6337	04/13/95
GG24-4492-00	Data Where You Need It, The DPropR Way! DataPropagator	6331	06/22/95
GG24-4493-00	Distributing AFP Printing from a Host System	5202	11/29/94
GG24-4496-00	Personal Computer 300 and 700 Series	6300	12/07/94
GG24-4497-00	ESA/390 Microprocessor Introduction	5200	11/03/94
GG24-4499-00	ADSTAR Distributed Storage Manager/6000 on 9076 SP2	6338	03/30/95
GG24-4500-00	VisualInfo Building Blocks for REXX and OS/2 Command	5203	11/30/94
GG26-2005-00	RACF Support for Open Systems Technical Presentation		05/23/95
GK2T-1300-00	The Library for System Solutions		02/01/20
GN68-0502-00	TNL for GG24-3303-00	5201	03/10/89
GN68-0505-00	TNL for GG24-3258-00	5204	10/11/89

```
GN68-0506-00 TNL to GG24-3594-01: MVS/ESA SP V4 Tech Presenta Gde    5201 12/17/91
GN68-0855-00 TNL to GG24-3616-00                                     6300 08/05/92
GN68-0856-00 TNL to GG24-3760-00: Client/Server Computing ...        6324 12/22/92
GN68-0857-00 GN68-0857-00 TNL to GG24-4221-00                             08/24/94
GX28-8001-02 ESA/390 MVS/ESA Quick Reference Summary                 5201 08/10/92
GX28-8002-05 Network Products Reference                              8605 05/03/95
GX28-8005-00 3172 Model 3 Summary                                    5200 10/25/94
SG24-3992-00 Disaster Recovery Library:  Planning Guide                   08/14/92
SG24-3995-00 Information Warehouse Implementation Guide                   01/15/93

Total of 955 Redbooks from all ITSO Centers
```

Installing or Updating IBM Library Readers on Your Workstation

This section describes how to install or update the following IBM Library Readers on your PC workstation:

- IBM SAA BookManager Library Reader/2 (READ/2)
- IBM BookManager Library Reader/DOS (READ/DOS)
- IBM Bookmanager Library Reader for Windows (READ for Windows).

Installing or Updating the IBM Library Readers for OS/2 and DOS

The Networking Redbooks Softcopy Collection Kit CD-ROM includes an installation program to help you set up an IBM Library Reader for OS/2 or DOS. The installation program installs the Library Reader for the first time on your hard disk and updates your system configuration files to point to the IBM books in your first collection. If you already have the Library Reader installed or if you have BookManager READ/2 or READ/DOS, and you are adding a new collection of IBM books, the installation program will update your configuration files to point to the new collection.

Note: If you want to install both the OS/2 and DOS versions of the Library Reader on your workstation, complete the preparations and installation procedures for OS/2 first, then install the DOS version.

If you are using MicroSoft Windows, you must exit Windows before executing the DOS Library Reader installation program.

For information on how to transfer the Library Reader to workstations without CD-ROM drives, see *IBM Online Library: Getting Started and Managing the Library*, GC23-0545, included on this CD-ROM.

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Installing or Updating from a CD-ROM

The Library Reader installation program installs the Library Reader on your hard disk and updates your configuration files to point to the IBM books in the collection. To run the install program, do the following:

1. Insert the CD-ROM in the drive by doing one of the following:
   - If you are using a CD-ROM drive that requires a caddy, such as the IBM 3510, do the following:
     a. Make sure that the CD-ROM drive is turned on.
     b. Open the CD-ROM caddy by squeezing the tabs on each corner of one end of the caddy and lifting the cover.
     c. Place the CD-ROM in the caddy so that the printing shows through the clear plastic cover.
     d. Close the cover. Make sure that the CD-ROM is not caught under the cover.
     e. With the cover facing up, insert the caddy into the CD-ROM drive. The arrow on the caddy points into the drive.
   - If you are using a CD-ROM drive that does not require a caddy, simply insert the CD-ROM into the drive, usually with the printing up.
   - If you are not sure how to use your CD-ROM drive, refer to the instruction manual that came with it to learn how to insert CD-ROMs correctly.
2. Go to an OS/2 or DOS command prompt to install the OS/2 or DOS version of Library Reader respectively. If you want to install both versions, follow these instructions to install the OS/2 version first, then return here and install the DOS Version.
3. Switch to the drive letter of the CD-ROM drive that contains the Library Reader program.

   For example, if your CD-ROM drive is `D`, type:

   ```
   d:
   ```

4 Change to the directory on the CD-ROM that contains the Library Reader program. Type:

```
cd \ez2inst
```

5 To start the Library Reader installation program, type:

```
install
```

```
Panel 1 should appear on your screen
```

If you get this message:

```
SYS1059: The system cannot execute the specified program.
```

and you are using OS/2 Version 1.3 or lower, you may not have the most recent CD-ROM device driver. Go to step 1 in "Installing the Latest IBM CD-ROM Driver on an OS/2 Workstation" on page 138 and follow those instructions.

6 After reading Panel 1, press PgDn.

7 On Panel 2, make a selection that applies to your workstation. Type the number of your selection if you need to, and press PgDn to continue.

8 On Panel 3, do the following:

a. Type the drive letters for any drives on which you plan to put IBM books or collections from the IBM Online Library. The drives you can select from are listed at the top of the screen. You can include your CD-ROM drives, your hard disks, or your diskette drives.

   If you need help with this item, move the cursor to it, and press F1 for more information.

b. Make sure that the directory named is correct.

   If you need help with this item, move the cursor to it, and press F1 for more information.

c. Make sure that the configuration file or profile named is correct.

If you need help with this item, move the cursor to it, and press F1 for more information.

d. When you are satisfied that this panel is correct, press F10 to install the Library Reader or to update your Library Reader or BookManager READ.

9 When the installation program is done, the instructions on the screen will tell you either to shut down and restart your system or to start the Library Reader or BookManager READ.

If you do not need to shut down your system, you can continue with "Opening the IBM Online Library" on page 134.

If you must shut down and restart your system, do one of the following:

For OS/2 Version 1.3:

a. Go to your Desktop Manager window, and on the action bar, select `Desktop`.

b. In the window that appears, select `Shutdown...`.

c. In the `Shutdown` window that appears, select `Shutdown`.

d. When the shutdown is complete, restart your system by pressing Ctrl+Alt+Del.

e. When your system is running again, continue with "Opening the IBM Online Library" on page 134.

For OS/2 Version 2.0:

a. Click on your desktop (an unoccupied part of the screen).

b. In the window that appears, select `Shutdown`

c. When the shutdown is complete, restart your system by pressing Ctrl+Alt+Del.

d. When your system is running again, continue with "Opening the IBM Online Library" on page 134.

For DOS:

a. Press Ctrl+Alt+Del.

b. When your system is running again, continue with "Opening the IBM Online Library" on page 134.

Installing or Updating the IBM Library Reader for Windows

You can use these instructions to install BookManager Library Reader for Windows for the first time on a workstation with Microsoft Windows installed. These instructions assume that your hard disk is `C` and that your CD-ROM drive is `D`. If they are not, substitute the drive letters you are using for the letters shown in the examples.

Note: If you have already installed the BookManager READ for Windows licensed program, you do not need to install the Library Reader for Windows. If you do not install the library reader, you should be sure that BookManager READ for Windows has the paths needed to find the books and bookshelves on this CD-ROM. To check the paths, start BookManager READ for Windows and select `Options` from the action bar. In the `Options` window, select `Startup defaults`. The `Startup defaults` window should contain the following paths:

```
D:\BOOKS;D:\SHELVES
C:\READWIN
```

To set up Library Reader for Windows on your workstation under Microsoft Windows, do the following:

1 Start Windows.

For OS/2 Version 2.1 workstations, do the following:

a. Open the `Command Prompts` folder.

b. In the `Command Prompts` folder, select the WIN-OS/2 icon.

For Microsoft Windows 3.1 workstations, do the following:

a. Go to the DOS command prompt.

b. Type `win`.

2 Insert the CD-ROM in the CD-ROM drive.

If you are not sure how to use your CD-ROM drive, refer to its instruction manual to learn how to insert CD-ROMs correctly.

3 Go to the `Program Manager` window and select `File` from the action bar.

4 In the pull-down window, select the `Run...` option.

The `Run` window will appear.

5 In the `Run` window, type the following:

```
d:\ilrwin\install
```

6 Select the `OK` button.

The message `Please wait. Loading files...` appears. Wait until the `Install Library Reader for Windows 2.0` window appears with the `Installation Instructions` window already open.

7 Read the instructions in the `Installation Instructions` window.

8 After you have read the instructions, select the `Continue` button to continue, or select the `Cancel` button to end the installation.

If you selected the `Continue` button, wait until the `Install` window appears.

Notes:

a. In the Install window, you can choose not to have your AUTOEXEC.BAT file automatically updated by the install program.

b. If you already have a version of the Library Reader for Windows installed, the Installation Options window will appear instead of the Install window. You can choose to update the library reader that you have or to delete it.

9 In the Install window, select the OK button.

Wait until the Install - directories window appears.

10 In the Install - directories window, do the following:

a. Select program files.

You do not need to select documentation. The Library Reader for Windows books are available in the Online Library Reference Bookshelf. You will also be able to select the User's Guide from the Library Reader's Help window. You must have a CD-ROM that contains the Library Reader for Windows books in your CD-ROM drive when you do.

Note: If you choose to install the documentation on your hard drive, be sure that the following path appears For the Startup Path for Bookshelves and Books when the Install options - startup defaults window appears later:

C:\BOOKS

b. You can change the directory in which the program files are to be installed. The default is:

C:\READIBMW

If you want to change it, type your directory over the one shown.

c. Select the Install button.

The Install - progress window appears. Wait while it shows the progress of the installation. When the installation is complete, the Install options - startup defaults window

appears. The `startup defaults` window should show the paths to the books and bookshelves and notes.

11 In the `Install options - startup defaults` window, do the following:

For the Startup Path for Bookshelves and Books:

a. Add the paths for the `\books` and `\shelves` directories on your CD-ROM drive. For example:

`D:\BOOKS;D:\SHELVES`

If you have more than one CD-ROM drive, you can add the paths to them. You can also add the paths to your hard disk, if you plan to copy books there. For example, if your hard disk is `C` and a second CD-ROM drive is `E`, you can add the following:

`D:\BOOKS;D:\SHELVES;C:\BOOKS;C:\SHELVES;E:\BOOKS;E:\SHELVES`

b. If Library Reader/DOS is also installed, this window will also show the paths that you defined for it. You should remove the path to the Library Reader/DOS books.

`C:\READIBM`

For the Startup Path for Notes:

a. Make sure that the path for the notes directory is the same as the directory in which the program files were installed.

b. If you have Library Reader/DOS installed, it will show this path:

`C:\READIBM`

You must change it to:

`C:\READIBMW`

c. Select the `OK` button.

The `Installation and Maintenance` window appears. It indicates that the installation was a success. You do not need to remove the CD-ROM from the drive.

12 In the `Installation and Maintenance` window, select the `OK` button.

The Install Library Reader for Windows 2.0 window will reappear.

Note: If you do not have SHARE or another file locking program, a window that will install such a program will appear. Select the OK button in that window.

13 In the Install Library Reader for Windows 2.0 window, select the Exit button.

An icon for the Library Reader for Windows will appear in the Program Manager window.

14 Exit Windows.

15 Re-boot your system.

16 Restart Windows.

17 You are ready to use the IBM Online Library on your workstation, continue with the instructions in "Opening the IBM Online Library on a Windows Workstation" on page 135 in "Opening the IBM Online Library" on page 134.

Note:

If you had already installed BookManager READ for Windows and you just installed the Library Reader for Windows, the file associations for the books and bookshelves (files with extensions of .BOO and .BKS) that were made when you installed the READ for Windows product will be changed to the Library Reader. The file associations are made for the last BookManager program that you install. If you want to associate BookManager READ for Windows with these files, you must change the file associations back to READ for Windows.

Opening the IBM Online Library

After you finish with a Library Reader installation program (READ/DOS, READ for Windows, or READ/2), you are ready to open the IBM Online Library and use the Library Reader or BookManager READ to list the bookshelves on the CD-ROM, and select and view softcopy books.

Opening the IBM Online Library in an OS/2 or DOS Environment

Follow these procedures to view the libraries on the CD-ROM.

1 Open the IBM Online Library.

For OS/2 Version 1.3 or Version 2.0

To start the Library Reader/2, go to an OS/2 command prompt, and type:

```
readibm /ds
```

To start BookManager READ/2, go to an OS/2 command prompt, and type:

```
bookmgr /s
```

For OS/2 Version 1.3 only:

Go to your `Desktop Manager` window and select `IBM Online Library`. When the `Group - IBM Online Library` window appears, select the library you want.

For OS/2 Version 2.0 only:

Open the `IBM Online Library` folder and select the library you want.

For DOS:

To start the Library Reader/DOS, go to a DOS command prompt, and type:

```
readibm *.bks
```

To start BookManager READ/DOS, go to a DOS command prompt, and type:

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```
bookmgr *.bks
```

2 When the Library Reader or BookManager READ starts, it displays a `WELCOME` panel.

Press ENTER to remove the `WELCOME` panel from the screen, and you will see a list of all the bookshelves that are available to you.

The list of IBM bookshelves may include:

- All the IBM bookshelves on any other drives to which you have access
- All your personal bookshelves, if you have customized the IBM Online Library and created your own personal bookshelves on your hard disk

  Note: Depending on how you customized your bookshelves, the list may only show your personal bookshelves. For more information on customizing bookshelves, see the booklet *IBM Online Library: Getting Started and Managing the Library* in the Online Library Reference Bookshelf.

3 You are now ready to begin viewing the books on this CD-ROM.

Opening the IBM Online Library on a Windows Workstation

1 Insert the CD-ROM into the drive.

Note: Always be sure that you put an IBM Online Library CD-ROM in each CD-ROM drive before you start your BookManager Library Reader or BookManager READ to open the IBM Online Library.

2 Open the IBM Online Library. You can do one of the following:

- **Using icons:**
  a. Go to the `Program Manager` window and select the icon for Library Reader for Windows or BookManager READ for Windows.

b. In the Library Reader for Windows or BookManager READ for Windows window, select the icon for Library Reader for Windows or BookManager READ for Windows.

Library Reader for Windows or BookManager READ for Windows starts, and displays an About ... window. The About ... window disappears from the screen, and you will see a list of all the bookshelves that are available to you. The list of IBM bookshelves may include:

- All the IBM bookshelves on all the CD-ROMs in all your CD-ROM drives
- All the IBM bookshelves on any other drives to which you have access
- All your personal bookshelves, if you have customized the IBM Online Library and created your own personal bookshelves on your hard disk

Depending on how you customized your bookshelves, the list may only show your personal bookshelves.

Note: You may want to sort this list by title if the list is very long. You can select View on the action bar. A pull-down window appears. Select Sort ►. The Sort ► choice will open a pop-up window in which you can select the sort by title.

c. Select a bookshelf.

The list of books in the bookshelf appears on the screen.

Note: You may want to sort this list by title if the list is very long. You can select View on the action bar. A pull-down window appears. Select Sort ►. The Sort ► choice will open a pop-up window in which you can select to sort by title.

d. Select the book you want to view or search.

You are now ready to begin using the books on this CD-ROM. You can refer to *BookManager READ for Windows: User's Guide* in the Online Library Reference Bookshelf for instructions on using the Library Reader for Windows.

- **Using File Manager:**

a. Go to the `Main` window and select the icon for `File Manager`.

b. In the `File Manager` window, select a drive icon for a drive that contains books.

c. In the list of directories for that drive, select a directory that contains books.

d. In the list of files for that directory, select a book (*filename*.BOO) that you want to open.

Library Reader for Windows or BookManager READ for Windows starts, and displays as `About ...` window. The `About ...` window disappears from the screen, and you will see the book that you selected in the `File Manager` window.

You are now ready to begin using the books on this CD-ROM. You can refer to *BookManager READ for Windows: User's Guide* in the Online Library Reference Bookshelf for instructions on using the Library Reader for Windows.

Installing the Latest IBM CD-ROM Driver on an OS/2 Workstation

If you received the following message when you started the Library Reader installation program,

```
SYS1059: The system cannot execute the specified program.
```

you are probably using OS/2 Version 1.3 or lower, and have an IBM CDFS.IFS CD-ROM device driver dated earlier than 11-27-90. You need to update this device driver with the one provided on CD-ROM Disc 1.

Note: OS/2 Version 2.0 users already have an up-to-date CDFS.IFS file and should not do this.

Follow these instructions:

1. Look in your CONFIG.SYS file for the `IFS=` statement:

   ```
   IFS=C:\OS2\CDFS.IFS
   ```

   This statement tells you the path to your CD-ROM driver. In this example, the driver named `CDFS.IFS` is on the `C` hard disk in the `\OS2` directory.

2. Verify that the CDFS.IFS file on your hard disk is older than 11-27-90. Type:

   ```
   dir c:\os2\cdfs.ifs
   ```

3. If the date of the CDFS.IFS file on your hard disk is older than 11-27-90, copy it to a backup file. Type:

   ```
   copy c:\os2\cdfs.ifs c:\os2\cdfs.bak
   ```


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4 Copy the new CDFS.IFS file from the CD-ROM to your hard disk. Type:

```
copy d:\ez2inst\cdfs.ifs c:\os2
```

5 Then shut down and restart your system by doing the following:

a. Go to your Desktop Manager window, and on the action bar, select `Desktop`.

b. In the window that appears, select `Shutdown...`.

c. In the `Shutdown` window that appears, select `Shutdown`.

d. When the shutdown is complete, restart your system by pressing Ctrl-Alt-Del.

e. When your system is running again, go to "Installing or Updating from a CD-ROM" on page 126 and restart the Library Reader installation program.

Uploading Files from CD-ROM to an MVS or VM Host

You can upload complete bookshelves from the CD-ROM to an MVS or VM host system using the IBM Bookshelf Upload programs. A complete bookshelf includes all the books in the bookshelf, the bookshelf file, and the bookshelf search index. Directions for using the upload programs are in the section "Uploading Bookshelves and Associated Files to a Host" in *IBM Online Library: Getting Started and Managing the Library*, GC23-0545.

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Receiving Books and Bookshelves Using the SCRT

You can use the IBM Softcopy Receiver Tool (SCRT) (program number 5648-032), to select and receive online books and bookshelves from IBM CD-ROMs onto the hard disk in your OS/2 or DOS workstation or to DASD on your MVS or VM host.

For MVS and VM Hosts:

Install the SCRT on your host, then use it with Optical Media Attach/2 on a channel-attached PS/2 workstation. For installation instructions, see the READSCRT.TXT file in the root directory on either CD-ROM. For information on using the SCRT from your host, see the *IBM Softcopy Receiver Tool: User's Guide,* GC23-3663. An online version of this book is included on this CD-ROM.

For OS/2 or DOS Workstations:

Do the following:

1. Insert the CD-ROM from which you want to receive books into your CD-ROM drive.
2. Change to the drive letter that contains the CD-ROM. For example, if the drive letter is `D`, type: `d:`
3. Change to the directory that contains the SCRT. Type: `cd \scrt`
4. Start the SCRT.

   For OS/2:
   Type: `ebrscrt2`

   Note: Do not run the SCRT in more than one session at the same time on an OS/2 workstation.

   For DOS:

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Type: `ebrscrt`

The `Setup Options` window appears on your screen.

5 Follow the instructions in the `Setup Options` window and in the windows that follow it. If you need help, press F1.

6 After the SCRT receives the books you chose and you exit the SCRT, you can replace the CD-ROM in the drive with another CD-ROM.

7 Open the IBM Online Library.

The list of bookshelves will include the bookshelves you previously received in addition to the bookshelves on the CD-ROM currently in the CD-ROM drive.

Note: You must have transferred the books and bookshelves into a `\BOOKS` directory on a hard disk that is included in your BookManager book and bookshelf search path. If this directory is not in the search path, you can run the Library Reader Installation program to update your configuration file.

If you received books without their bookshelves, you can do one of the following:

- Add the books to an existing personal bookshelf
- Create a personal bookshelf for them
- Go to an OS/2 or DOS prompt and type the following to open the IBM Online Library and ask to see one of the books you received:

  For a Library Reader:
  Type: `readibm` *`book-name`*`.boo`

  For an IBM BookManager READ:
  Type: `bookmgr` *`book-name`*`.boo`

Note: If you have access to a large number of books, opening the IBM Online Library and asking to see **all** books and bookshelves may take a long time. IBM recommends that you access books by listing bookshelves and then selecting the appropriate bookshelf to see the list of books.

For more complete information on using the SCRT, see the *IBM Softcopy Receiver Tool: User's Guide*, GC23-3663, available as an online book on this CD-ROM.

NetView Multiprotocol Manager (NVMPM) Executable Code (Disc 1)

This file contains the CLISTs and panels from the redbook GG24-4063, "Management of Multiprotocol Environments using NetView" on this CD-ROM.

NVMPM collects management data from devices managed by LAN Network Manager plus LAN Station Manager, LAN Management Utilities/2 (LNMU/2), or AIX NetView/6000.

The data collected is useful for day-to-day operations. It provides a central integrated control point and single interface for management of these different environments.

It also provides a dynamic Alert Monitoring function that links to configuration and operational data. This function can greatly assist in the isolation and resolution of problems.

The types of data that may be collected include the following:

- LAN Network Manager
  - Token Ring Adapter Address
  - Token Ring Adapter Name
  - NAUN Address
  - NAUN Name
  - Controlled Access Unit information
- LAN Station Manager
  - Machine Type
  - Machine Model
  - Serial No.
  - Location
  - RAM Size
  - User Data
  - Operating System Version

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  - Disk List
  - Adapter Card List
- LAN NetView Management Utilities
  - Machine Type (CPU type and speed)
  - Machine Model
  - Serial No.
  - Location
  - RAM Size
  - Adapter Card List
  - Operating System Version
  - Disk List (Size and Utilization)
  - Token Ring Adapter Address
  - Universal Adapter Address
  - Date/Time of User-Specific files
  - User Data
- Information from AIX NetView/6000
  - Machine Type
  - Machine Model
  - Serial No.
  - Network Name
  - Adapter Name
  - Machine Function
  - Operating System Version
  - IP Address
  - Status
  - Adapter Address
  - Location

System Requirements

To use the NVMPM program, you need the following equipment and software:

- An IBM Personal System/2 (or equivalent) with one 3.5-inch diskette drive and a fixed disk.
- 3.5MB of available storage space.
- IBM OS/2 Extended Edition version 1.3 or higher.
- IBM graphics card (VGA or higher).

A mouse is recommended but not required.

Installation Instructions

1. Go to an OS/2 command prompt.
2. Create a \MPM subdirectory on your hard disk to install NVMPM:
   ```
   MD \MPM
   ```
3. Make this directory the current directory:
   ```
   CD \MPM
   ```
4. Copy the NVMPM.EXE file to the \MPM subdirectory:
   ```
   COPY cdromdrive:\NVMPM\*.*
   ```
   where `cdromdrive` is the drive letter where your CD-ROM drive is located.
5. To start the program, type:
   ```
   NVMPM
   ```
   Press Enter.

The self-extracting program NVMPM.EXE will create six files:

CLISTS.ZIP
PANELS.ZIP
CONFIG.ZIP
DSIPRF.ZIP
MPMPUT.CMD
UNLOAD.CMD

6 To place all the members in the correct subdirectories, type:

```
UNLOAD
```

Press Enter. The REXX program will create four subdirectories (CLISTS, PANELS, CONFIG, and DSIPRF). These are all EBCDIC files and should be uploaded with the MPMPUT.CMD.

7 Create the CLISTS and PANELS data sets to hold the members with the same attributes as your NetView CLISTS and PANELS.

8 Add these data sets to your NetView startup proc.

9 Create the CONFIG data set to hold the configuration members.

10 Modify the MPMPUT.CMD to place the CLISTs, PANELS, DSIPRF, and the CONFIG members where you want them.

11 Run MPMPUT.CMD

12 Follow the installation and customization instructions in the redbook.

Sample Data Set Configuration

```
DATA SET NAME: KHOWEY.MPM.CLISTS

GENERAL DATA:                                CURRENT ALLOCATION:
   Volume serial:          WT8043               Allocated Tracks:          50
   Device type:            3390                 Allocated extents:         16
   Organization:           PO
   Record format:          FB
   Record length:          80
   Block size:             6160              CURRENT UTILIZATION:
   1st extent Tracks:      20                   Used Tracks:               16
   Secondary Tracks:       2                    Used extents:               1

   Creation date:          1993/10/20
   Expiration date:        ***NONE***

DATA SET NAME: KHOWEY.MPM.PANELS

GENERAL DATA:                                CURRENT ALLOCATION:
   Volume serial:          WT8043               Allocated Tracks:          14
   Device type:            3390                 Allocated extents:          3
   Organization:           PO
   Record format:          FB
   Record length:          80
   Block size:             6160              CURRENT UTILIZATION:
   1st extent Tracks:      10                   Used Tracks:                4
   Secondary Tracks:       2                    Used extents:               1

   Creation date:          1993/10/20
   Expiration date:        ***NONE***

DATA SET NAME: KHOWEY.MPM.CONFIG
```

```
GENERAL DATA:                          CURRENT ALLOCATION:
   Volume serial:         WT8043           Allocated Cylinders        12
   Device type:           3390             Allocated extents:          2
   Organization:          PO
   Record format:         FB
   Record length:         255
   Block size:            5100          CURRENT UTILIZATION:
   1st extent Cylinders:  10               Used Cylinders:            2
   Secondary Cylinders:   2                Used extents:              1

   Creation date:         1993/10/21
   Expiration date:       ***NONE***
```

Sample NetView for AIX APIs Executable Code (wteuiap) (Disc 1)

This file contains sample code from the following redbooks which are on this CD-ROM:

- GG24-4327, "Examples of Using NetView for AIX"
- GG24-4398, "IBM Systems Monitor Anatomy of a Smart Agent"
- GG24-4059, "Examples of Using AIX NetView/6000 APIs"

The sample C application code provides examples of:

- Interfacing with the NetView for AIX graphical End User Interface (EUI) to create submaps, modify existing submaps, and affect symbols and objects via easy-to-code user verbs.
- Reporting contents of NetView for AIX fields/objects in a similar manner as does the product-provided *ovobjprint* utility.

In addition, an example is provided which interfaces with NetView for AIX via specific SNMP traps to affect NetView for AIX submaps, symbols, and objects.

System Requirements

To use the *wteuiap* samples, you need the following software and hardware:

- An IBM RISC System/6000
- AIX V3.2.5
- AIX NetView/6000 V2.1 or later

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Installation Instructions

1. Retrieve the data in the CDROM *wteuiap* directory.
   wteuiap README is text.
   wteuiap tarbin is binary.

2. Create a directory on your RISC System/6000. For example:
   ```
   /tmp/wteuiap/cdrom
   ```

3. Create a directory on your RISC System/6000 for holding the output of */tmp/wteuiap/cdrom*. For example:
   ```
   /wteuiap
   ```

4. Create directories on your RISC System/6000 for the six provided samples. For example:
   ```
   /wtprint
   /wteuiap2
   /wteuiap4
   /wteuiap5
   /wteuiap6
   /wteuiap7
   ```

5. Load the README into the */tmp/wteuiap/cdrom* directory. Browse the README file.

6. Load the *tarbin* into the */tmp/wteuiap/cdrom* directory. *tar* the *tarbin* into the */wteuiap* directory:
   ```
   cd /wteuiap
   tar -xvf /tmp/wteuiap/cdrom
   ```

7. *tar* each resultant *tarbin* into the specific */wteuiap* directory:

```
cd /wteuiap2

tar -xvf /wteuiap/wteuiap2.tar.feb0194

cd /wteuiap4

tar -xvf /wteuiap/wteuiap4.tar.feb0194

cd /wteuiap5

tar -xvf /wteuiap/wteuiap5.tar.feb0194

cd /wteuiap6

tar -xvf /wteuiap/wteuiap6.tar.nov2994

cd /wteuiap7

tar -xvf /wteuiap/wteuiap7.tar.sep0294

cd /wtprint

tar -xvf /wteuiap/wtprint.tar.feb0194
```

8 Browse the README files for each provided application.

9 Copy any .reg file to */usr/OV/registration/C*

10 Copy *wteuiap.fields* to */usr/OV/fields/C*

11 Assuming you are not affecting a production version of NetView for AIX, take down the current NetView for AIX EUI.

Type:

```
cd /wteuiap6
```

Then type:

```
make install
```

12 Type:

```
cd /wteuiap5
```

Modify any IP address to match your running system and modify the snmptrap community to match your installation's password.

13 Assuming you have root authority, activate the *wteuiap*.fields by entering the command:

```
nv6000 -fields
```

This need only be done once.

14 Start the NetView for AIX EUI by typing:

```
nv6000
or
SMIT
```

15 Test the APIs as indicated in the README for the particular *wteuiap*, For example:

```
/wteuiap6/README
```

Questions, Problems, or Suggestions?

If you have a question, problem, or suggestion regarding the use of this CD-ROM or the information contained on it, please do one of the following:

- Within the United States, contact the IBM Support Center, 1+800+237-5511. Be prepared to provide your customer number (access code) and state either the product identifier "Softcopy Publications" or ask for the SCKIT service queue. Non-U.S. customers should contact IBM through their usual service channel.
- FAX your comments to IBM:
  (United States and Canada): 1-800-227-5088
- Mail your comments to: IBM Corporation
  Department E15/Building 500
  P. O. Box 12195
  Research Triangle Park, NC 27709-2195
- Print a reader's comment form from a softcopy book on this CD-ROM and FAX or mail it to IBM.

The electronic systems you can use and the IDs to send your comments to are:

IBM Mail Exchange	USIB2HPD at IBMMAIL
IBM Link	CIBMORCF at RALVM13
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